ONKYO

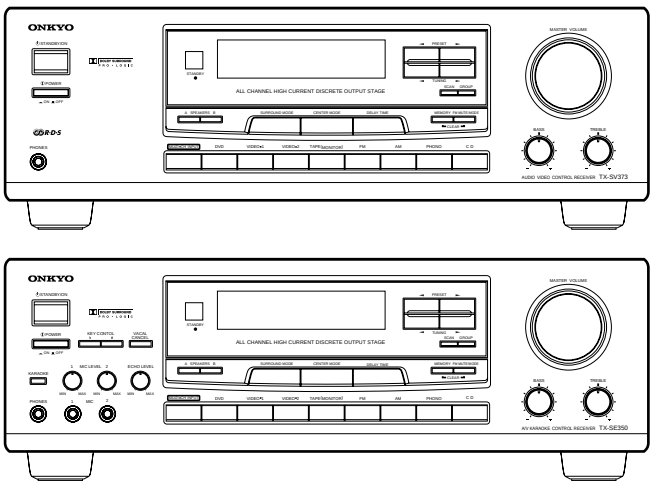
Audio Video Control Receiver

TX-SV373

Audio Video Karaoke Control Receiver

TX-SE350

Instruction Manual



Thank you for purchasing the Onkyo Audio Video Control Receiver.
Please read this manual thoroughly before making connections and turning on the power.
Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new Audio Video Control Receiver.
Please retain this manual for future reference.

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WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safeguards

1. **Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Water and Moisture** – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Carts and Stands** – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

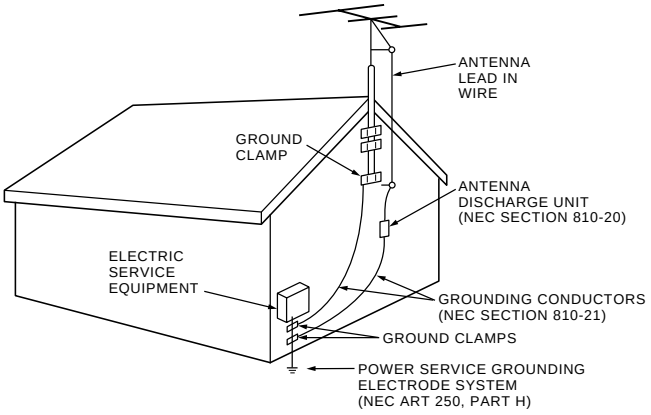
PORTABLE CART WARNING

S3125A

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or if placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings, there should be free space of at least 20 cm (8 in.) and an opening behind the appliance.
9. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** – If the appliance is provided with a polarized plug having one blade wider than the other, please read the following information:
    The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, especially near plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** – The appliance should be cleaned only as recommended by the manufacturer.
14. **Power Lines** – An outdoor antenna should be located away from power lines.
15. **Nonuse Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
16. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
17. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
18. **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
19. **Outdoor Antenna Grounding** – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

FIGURE 1:
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



NEC – NATIONAL ELECTRICAL CODE

S2898A

Precautions

1. Warranty Claim
You can find the serial number on the rear panel of this unit. In case of warranty claim, please report this number.

2. Recording Copyright
Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

3. AC Fuse
The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your Onkyo authorized service station.

4. Care
From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

5. Power
WARNING
BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz) written on the rear panel.

Worldwide models are equipped with a voltage selector to conform to local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit.

The power cord should be removed from the AC outlet when the unit is not used for a prolonged time.

For British model

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

IMPORTANT
The wires in the mains lead are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IMPORTANT
A 5 amp fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.
If in any doubt, please consult a qualified electrician.

For U.S. model

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

FCC Information for User
CAUTION:
The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between other equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For Canadian model

For models having a power cord with a polarized plug:

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Modele pour les Canadien

Sur les modèles dont la fiche est polarisée:

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Declaration of Conformity

We, ONKYO EUROPE ELECTRONICS GmbH
INDUSTRIESTRASSE 20
82110 GERMERING,
GERMANY

CE

declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN55013, EN55020, EN60555-2, -3 and EN60065

GERMERING, GERMANY

K.OTSU

ONKYO EUROPE ELECTRONICS GmbH

Features

TX-SV373/TX-SE350

- **5.1 CHANNEL DIRECT INPUTS** and 5-channel drive give you the ability to simply hook up an external decoder (Dolby Digital, DTS, MPEG) and raise your home theater experience to the highest level and enjoy DVDs, advanced laserdiscs and upcoming digital TV to the fullest.
- **DOLBY* PRO LOGIC** for multichannel surround sound from a HiFi VCR, satellite broadcast, DVD or laserdisc player, or stereo TV broadcast.
- **HIGH-CURRENT LOW-IMPEDANCE 6-OHM DRIVE** for all channels — a feature found more often on costly, higher end equipment — handles the widest variety of speakers without distortion or cutting off.
- **COSTLY DISCRETE OUTPUT STAGE CIRCUITRY** for the front and surround channels, unlike many receivers in this class that use inexpensive ICs for the surround channels — assures that no channel information is compromised, and handles the wide dynamics of multi-channel movie soundtracks cleanly and effortlessly, plus keeps sound from distorting, even at high volume.
- **90 WATTS MAXIMUM POWER** to the front L/R/C channels into 6Ω at 1000 Hz, plus 40 watts per surround speaker into 6 ohms (EIAJ rating) — enough solid, clean power to drive your home theater speakers with authority and produce dynamically rich music, even at low volume levels, and more than enough for a thrilling home theater experience in most entertainment rooms.
- **HALL SURROUND MODE** for more spacious, concert-hall sound, with the added ambience of a live performance—great for classical music.
- **3 AV INPUTS** to hook up your DVD player, a HiFi VCR and Digital Satellite System (DSS), for example.
- **30 FM/AM RANDOM PRESETS** — especially convenient if there are a lot of radio stations in your area — you can assign a number, in any order, to each of your favorite FM and AM stations then access them simply at the touch of a button.
- **RI (REMOTE INTERACTIVE) FULL-FUNCTION REMOTE CONTROL** to operate the major functions of virtually any Onkyo component — logical button layout puts all the basic functions right at your fingertips — easy to use.

(TX-SE350 only)

- **KARAOKE CAPABILITY** with 2 microphone inputs, each with its own volume control, plus Digital Echo, *Digital Key (pitch)* control and *Voice Canceler* for more professional sounding karaoke.

*Manufactured under license from Dolby Laboratories.
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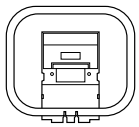
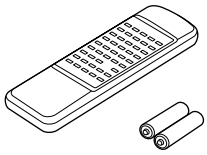
Supplied accessories

Check that the following accessories are supplied with this unit.



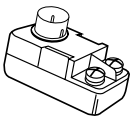
AM loop antenna × 1

T-shaped FM antenna × 1

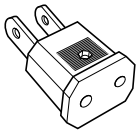


Remote controller × 1
Batteries (size AA, R6, or UM-3) × 2

The following accessories are only available for worldwide models.



75/300 ohm antenna adaptor × 1



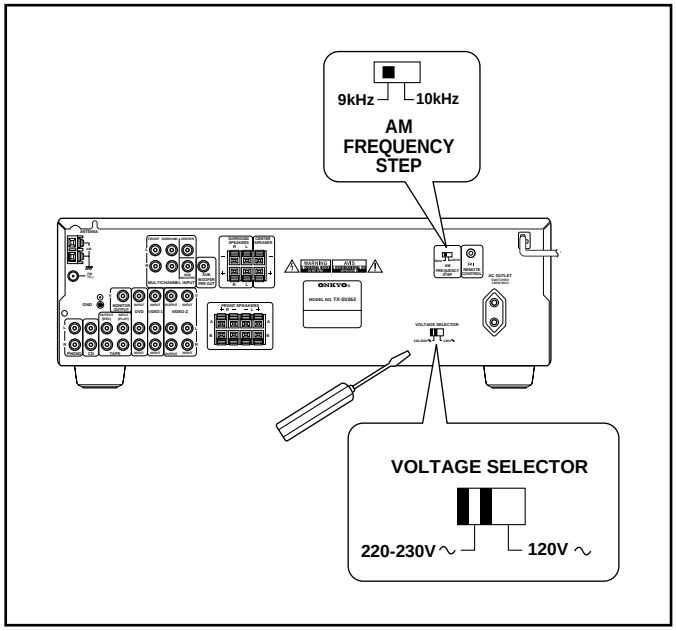
Conversion plug (Shape may vary depending on the area in which it was purchased.) × 1

Memory Preservation

This unit does not require memory preservation batteries. A built-in memory power back-up system preserves the contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in order to charge the back-up system.

The memory preservation period after the unit has been unplugged varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time the unit has been unplugged. This period is shorter when the unit is exposed to a highly humid climate.

Before operating this unit



Setting the AM tuning step frequency (Worldwide models only)

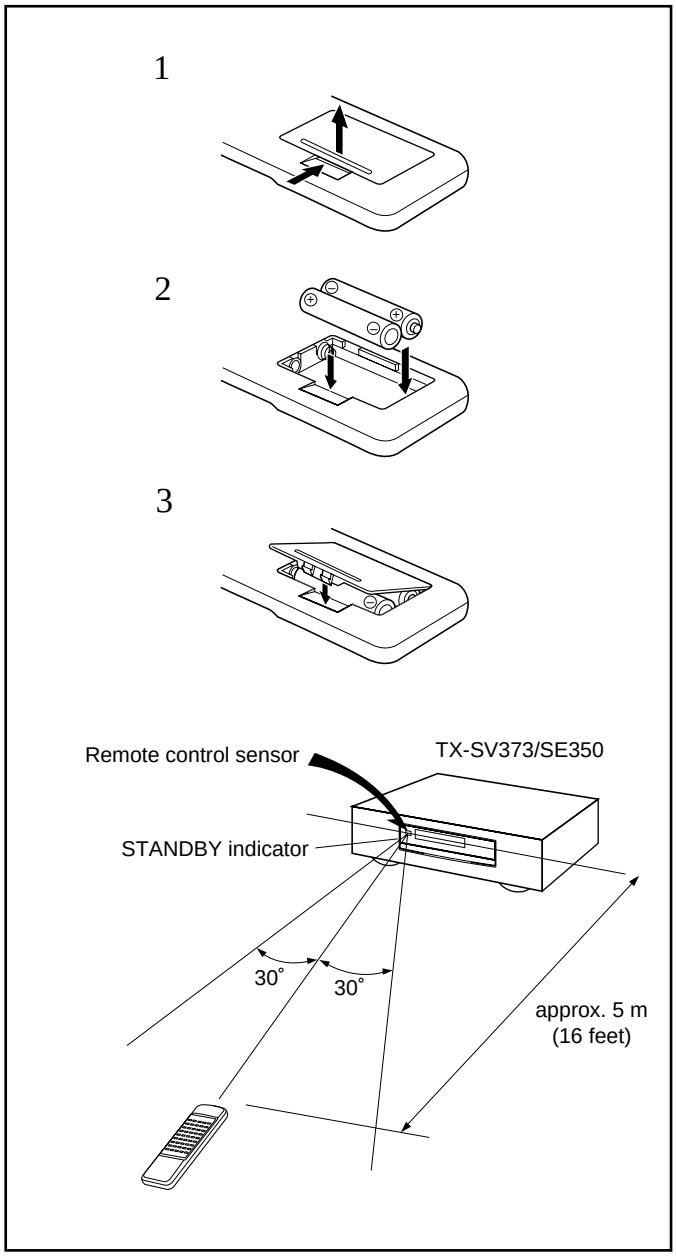
Worldwide models are equipped with a switch that controls the AM band tuning steps. Please set this switch to match the AM band tuning step frequency in your area.

U.S.A. and Canada : 10 kHz
Other areas : 9 kHz

Setting the Voltage selector (Worldwide models only)

Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit.

1. Determine the proper voltage for your area: 220-230 V or 120 V.
2. If the preset voltage is not correct for your area, insert a screwdriver into the groove in the switch. Slide the switch all the way to the right (120 V) or to the left (220-230 V), whichever is appropriate.



Installing the remote controller batteries

1. Remove the battery compartment cover by pressing the tab and lifting up the cover.
2. Insert two AA (R6- or UM-3)-size batteries into the battery compartment. Carefully follow the polarity diagram (positive (+) and negative (–) symbols) inside the battery compartment.
3. After batteries are installed and seated correctly, replace the compartment cover.

Notes

- Do not mix new batteries with old batteries or different kinds of batteries.
- To avoid corrosion, remove the batteries if the remote controller is not to be used for a long time.
- Remove dead batteries immediately to avoid damage from corrosion. If the remote controller doesn't operate smoothly, replace both the batteries at the same time.
- The life of the batteries supplied is about six months but this will vary depending on usage.

Using the remote controller

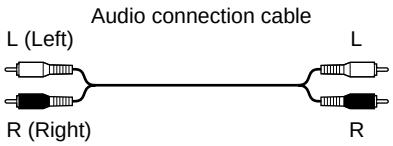
Point the remote controller toward the remote control sensor.
The STANDBY indicator lights up when the unit receives a signal from the remote controller.

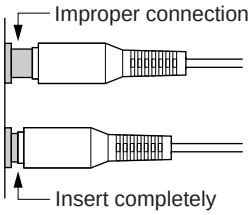
Notes

- Place the unit away from strong light such as direct sunlight or inverted fluorescent light which can prevent proper operation of the remote controller.
- Using another remote controller of the same type in the same room or using the unit near equipment which uses infrared rays may cause operational interference.
- Do not put any object such as a book on the remote controller. The buttons of the remote controller may be pressed by mistake and drain the batteries.
- Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
- If there is any obstacle between the remote controller and the remote control sensor, the remote controller will not operate.

Audio equipment connections

- **On each pair of connectors, a red connector (marked R) corresponds to the right channel, and a white connector (marked L) to the left channel.**
- **Please refer to the instruction manual for each component when you make any connections.**
- **This receiver is designed for use with turntables using moving magnet cartridges.**
- **Insert the plugs and connectors securely. Remember that improper connection could result in noise, poor performance, or damage to the equipment.**



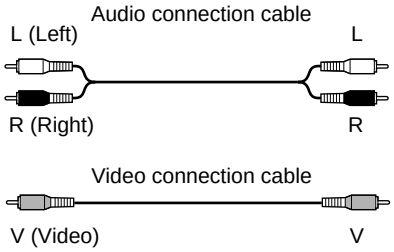


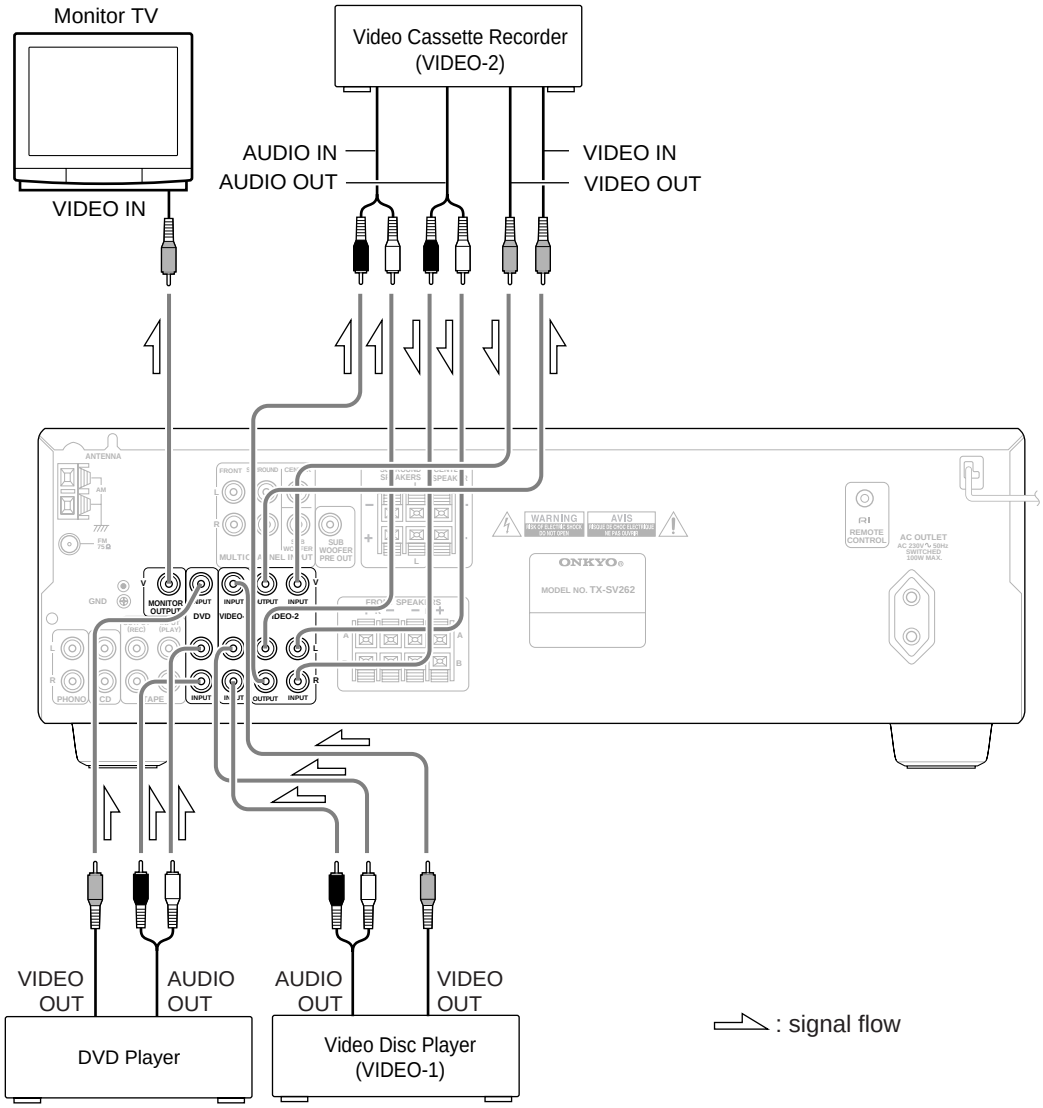
Do not plug in the power cord until all connections have been made.

: signal flow

Video equipment connections

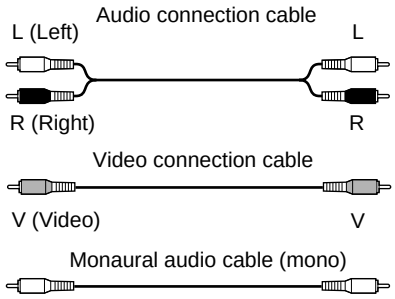
- **On each pair of connectors, a red connector (marked R) corresponds to the right channel, and a white connector (marked L) to the left channel.**
- **A yellow connector (marked V) is used for video connection.**
- **Please refer to the instruction manual for each component when you make any connections.**





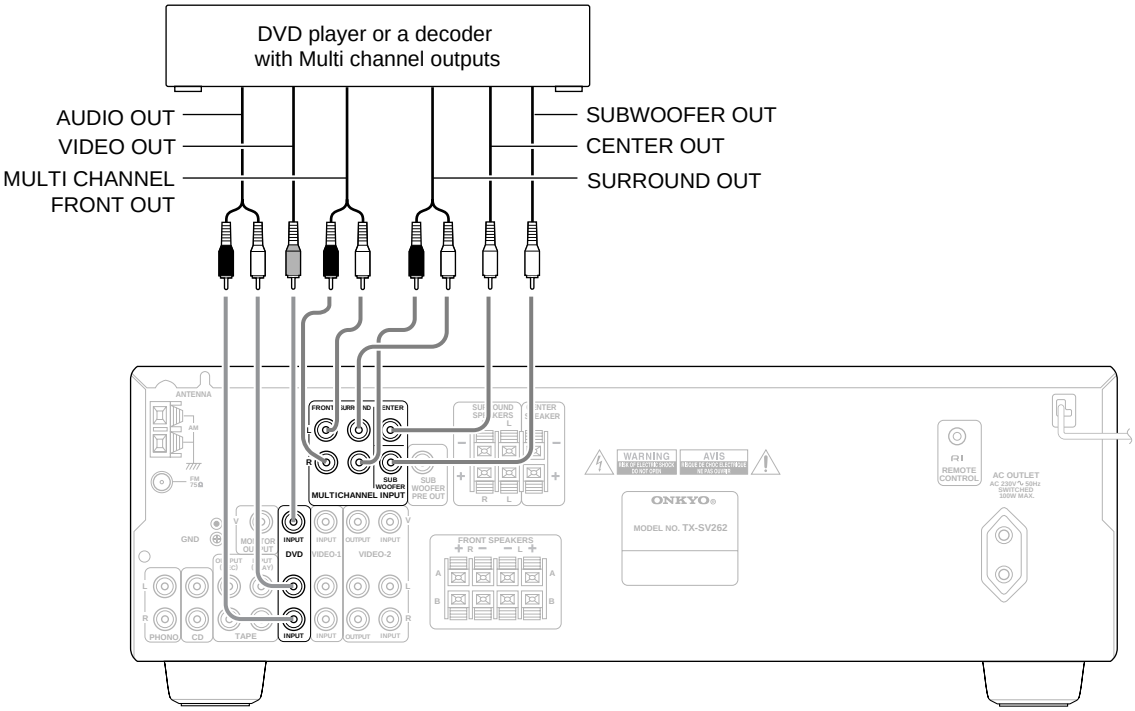
- This unit can be used only with a monitor TV equipped with a video input.
- If the receiver interferes with the TV reception, place the unit as far from the TV as possible. We do not recommend the use of a common TV/FM antenna (see the antenna section).
- When using a playback-only VCR, connect its output to the receiver's video input connector.

Connecting other devices



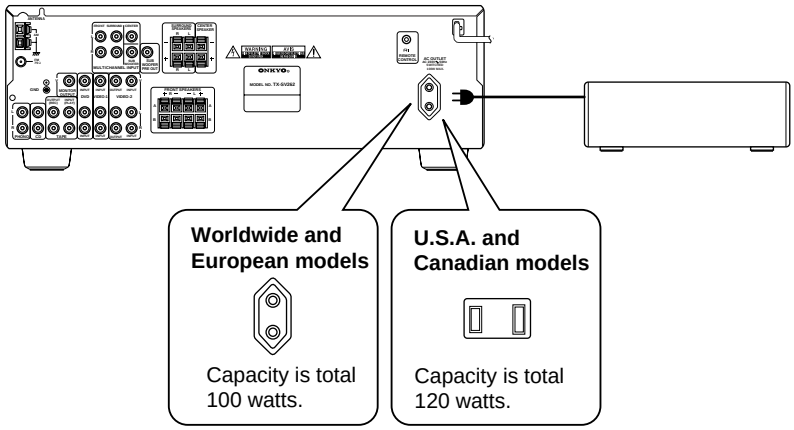
A decoder with 5.1 channel output

- You may connect the 5.1 channel outputs of a DVD player or an external decoder (such as DOLBY Digital decoder or DTS decoder) to the MULTI CHANNEL INPUTs of the TX-SV373/ SE350.
- When using a DVD player or a decoder connected to the MULTI-CHANNEL INPUT connector, **set the SPEAKERS A button on the front panel to ON.**

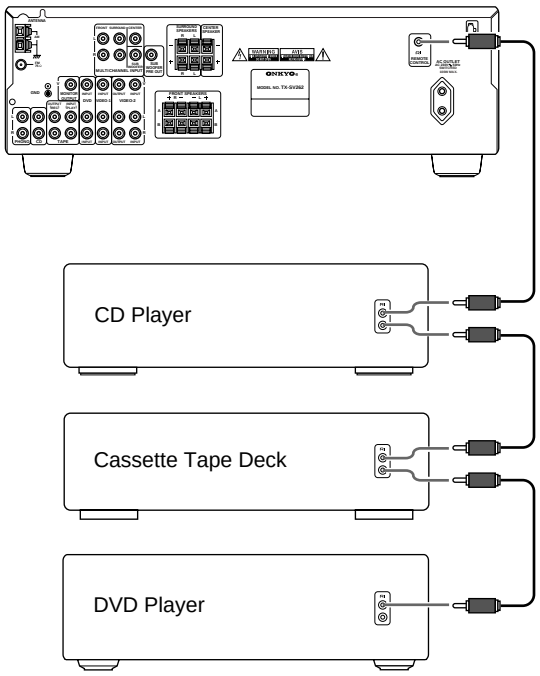


AC outlet connection

You can connect the power cord from another audio device to the rear of the TX-SV373/SE350.
Since the AC outlet on the unit is a SWITCHED type outlet, you can use the STANDBY/ON button, or the POWER button on the remote controller to turn on/off the power to both the TX-SV373/SE350 and the connected audio device.
First turn the POWER switch ON (ON).
The shape and capacity of the AC outlet may differ depending on the area of purchase. Make sure that the capacity of other components connected to this unit does not exceed the capacity that is printed on the rear panel.



TX-SV373/SE350



Connections for remote control (RI)

You can use the remote controller of this receiver to operate cassette tape decks, compact disc players, and DVD players that have Onkyo RI connectors.

Connect a remote control cable to the black connector with the RI mark on the rear panel.

- An RI remote control cable equipped with a 3.5mm (1/8 in.)-diameter miniature two-conductor phone plug comes with every compact disc player or cassette tape deck that has an RI connector.
- Remote control operation is not possible when only the remote control cable is connected – the audio connection cables must also be connected.
- You cannot use the receiver's remote controller to control Onkyo turntables.

Connecting speakers

- **Follow the diagram below to connect each speaker as illustrated, observing the correct connections for R, L, + and –.**
- **Do not use unnecessarily long or extremely thin speaker cables. If the DC resistance of the speaker cables is too high, the damping factor will decrease, adversely affecting the sound quality.**

Speaker Impedance

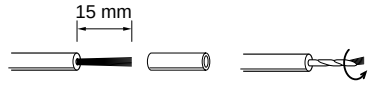
This unit is designed to produce optimum sound quality when speakers with impedances within the specified ranges are connected. Please check the following information and choose speakers with the necessary impedances for the connections.

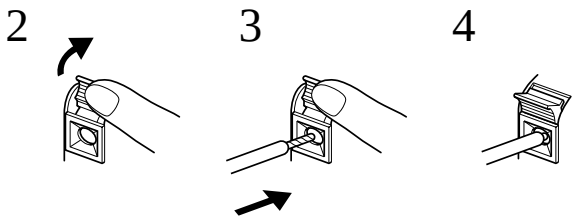
FRONT SPEAKERS:
A or B : 6 ohms min./speaker

CENTER SPEAKER: 6 ohms min.
REAR (SURROUND) SPEAKERS: 6 ohms min./speaker

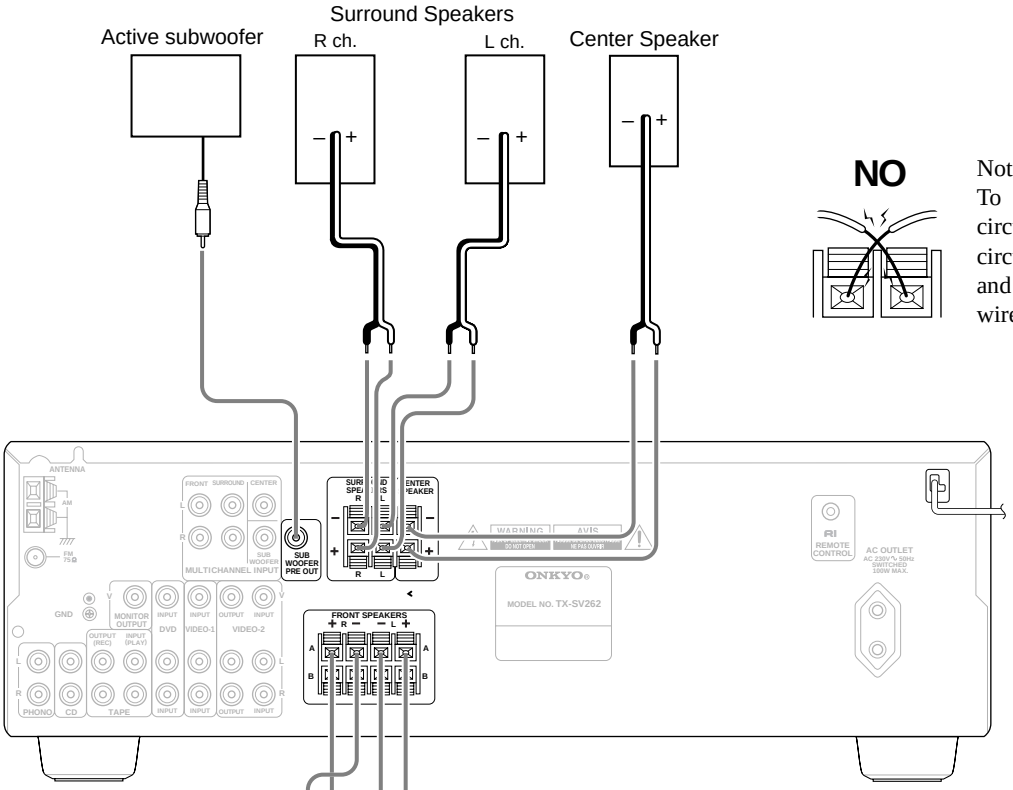
Connecting speaker cables

1. Twist wire ends very tight.





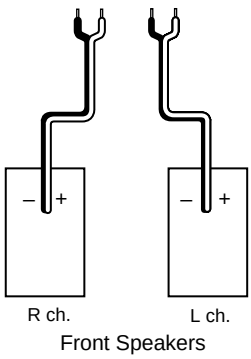
2. Press down the lever.
3. Insert the wire into the hole.
4. Release the lever to replace it.



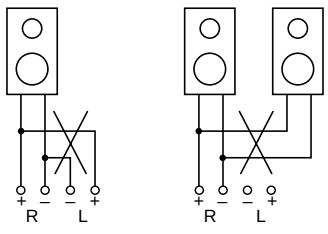
Note:
To prevent damage to circuitry, never short-circuit the positive (+) and negative (–) speaker wires.

B terminals

Use these terminals to connect a second pair of front speakers.

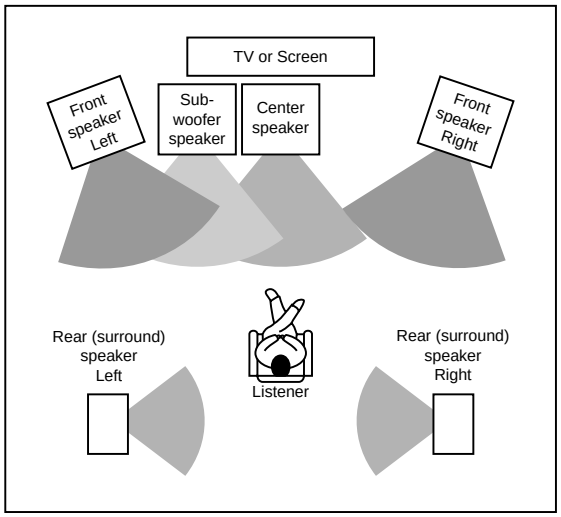


- When you use only one speaker or wish to listen to monaural (mono) sound, a single speaker should never be connected in parallel to both the right and left channel terminals simultaneously.



- When using any unit connected to the SUBWOOFER PRE OUT jack, set the SPEAKERS A button on the front panel to ON.

Positioning speakers



Speaker placement plays an important role in the reproduction of Surround sound. The manner in which the speakers are placed varies depending on the size of the room and the wall coverings used in the room. The illustration below shows an example of a layout for standard speaker placement. Refer to this example when positioning the speakers in order to experience the best of Surround sound.

Standard speaker placement

For ideal Surround effects, all speakers should be installed. If a center speaker is not connected, when PHANTOM is selected for Center mode, the sound from the center channel is properly distributed to the connected speakers in order to produce the best Surround sound possible.

Front:

The left, right, and center speakers should face the seated listener and be placed at ear level. The center speaker produces a richer sound image by enhancing the perception of the sound's source and movement.

Surround:

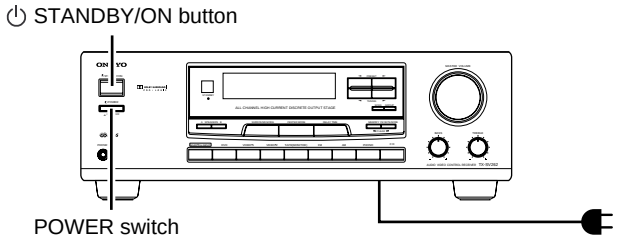
Place the left and right surround speakers 1 meter (3 feet) above the listener's ear level and facing toward the sides of the room, making sure that the listener is within the speakers' dispersion angle. These speakers produce the feel of a moving sound while creating the sensation of being in the middle of the action.

Subwoofer:

Install a subwoofer with a built-in power amplifier for powerful bass sounds. The placement of the subwoofer does not affect the final quality of the sound image too much, so you can install it with the room layout in mind.

Refer to the speaker instruction manual for more details.

Connecting the power



Before plugging in the unit, confirm that all connections have been made properly.

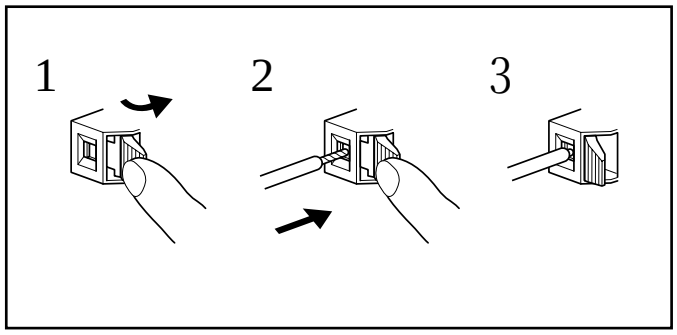
Turning on this unit's power may cause a momentary power surge, which might interfere with other electrical equipment, such as computers. If so, use a wall outlet on a different circuit.

After plugging the TX-SV373/TX-SE350's power cord into an AC outlet, press the POWER switch to put the unit in power-standby status (the STANDBY indicator is lit). The remote controller cannot be used to operate the TX-SV373/TX-SE350 if the POWER switch is not set to ON.

When the POWER switch is set to ON, pressing the STANDBY/ON button or the POWER button on the remote controller switches the TX-SV373/TX-SE350 between standby status (the STANDBY indicator is lit) and power-on status (the display is lit).

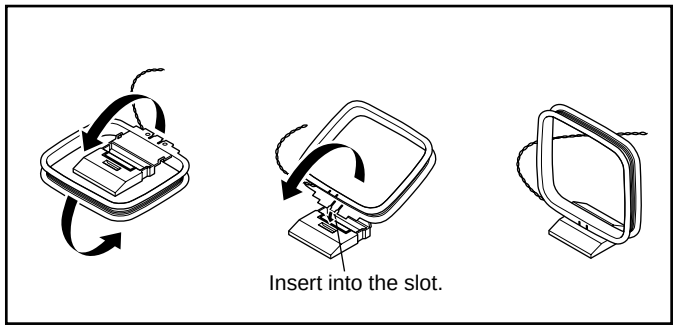
Press the POWER switch on the TX-SV373/TX-SE350 to set it to the OFF position, turning off the unit.

Connecting antennas



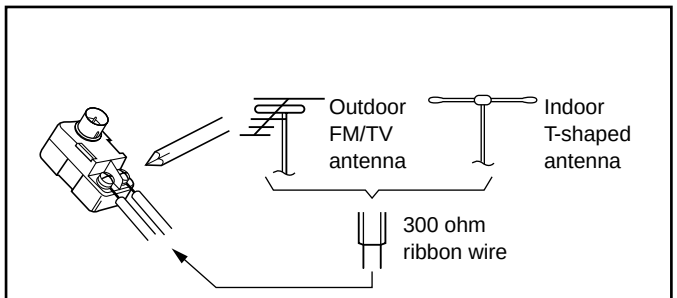
Antenna cables

1. Press down the lever.
2. Insert the wire into the hole.
3. Release the lever to replace it.



AM loop antenna

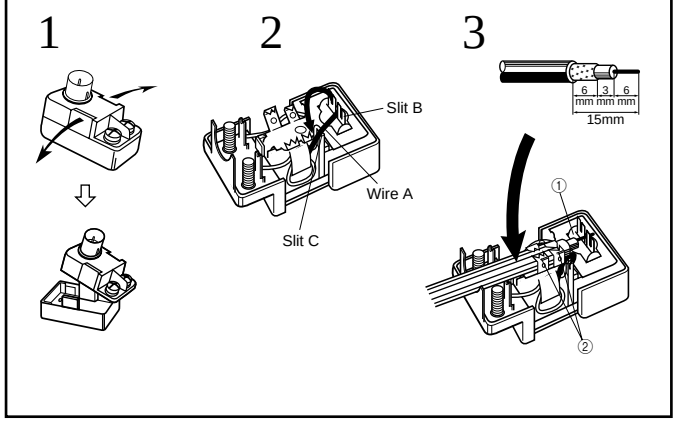
Assemble the loop antenna as shown in the illustration. (Refer to the next page for details on connecting the AM loop antenna.)



75/300 ohm antenna adapter (worldwide and some other models)

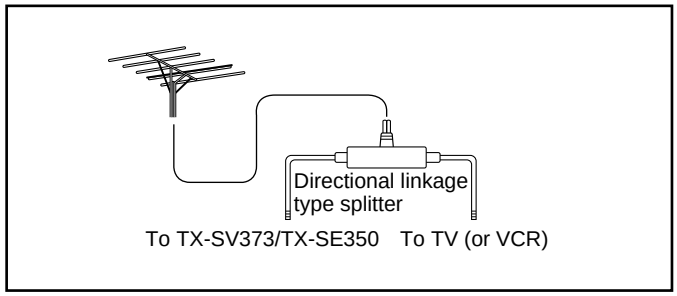
Connecting the T-shaped antenna or 300 ohm ribbon wire to the 75/300 ohm antenna adapter:

Loosen the screws and wrap the wires around them. Then, tighten the screws with a screwdriver.



Connecting the coaxial cable to the 75/300 ohm antenna adapter:

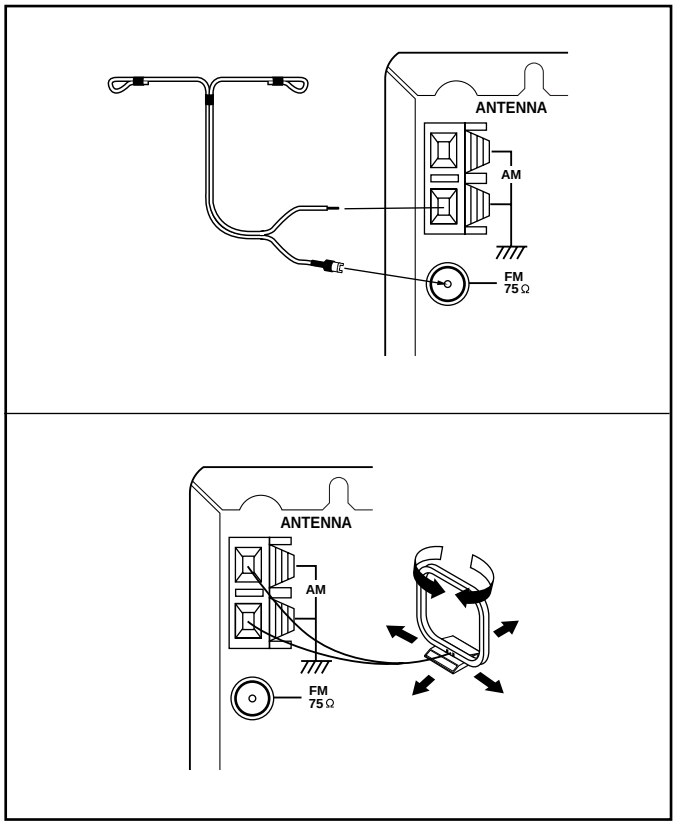
1. With your fingernail or a small screwdriver, pull the stoppers outward and remove the cover.
2. Remove the transformer wire A from slit B and insert it into slit C.
3. Prepare the coaxial cable as shown in the diagram. Connect the coaxial cable to the 75/300 ohm antenna adapter.
   ① Insert the end of the cable.
   ② Clamp it in place with pliers.
4. Re-install the cover.



Directional linkage

Do not use the same antenna for both FM and TV (or VCR) reception since the FM and TV (or VCR) signals can interfere with each other. If you must use a common FM/TV (or VCR) antenna, use a directional linkage type splitter.

Connecting antennas



Connecting the included antennas

Connecting the T-shaped FM antenna:

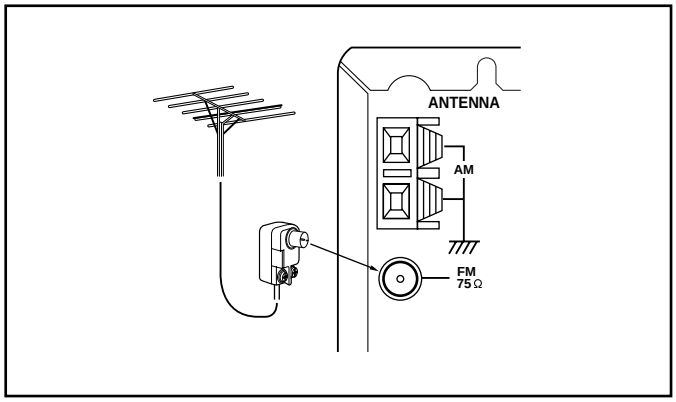
The T-shaped FM antenna is for indoor use only. Extend the antenna and move it in various directions until the clearest signal is received. Fix it with push pins or similar implements in the position that will cause the least amount of distortion.

If the reception is not very clear with the attached T-shaped FM antenna, the use of an outdoor antenna is recommended.

Connecting the AM loop antenna:

The AM loop antenna is for indoor use only. Set it in the direction and position where you receive the clearest sound. Put it as far away as possible from the unit, TVs, speaker cables, and power cords.

When reception is not satisfactory with the attached AM loop antenna alone, connection of an outdoor antenna is recommended.



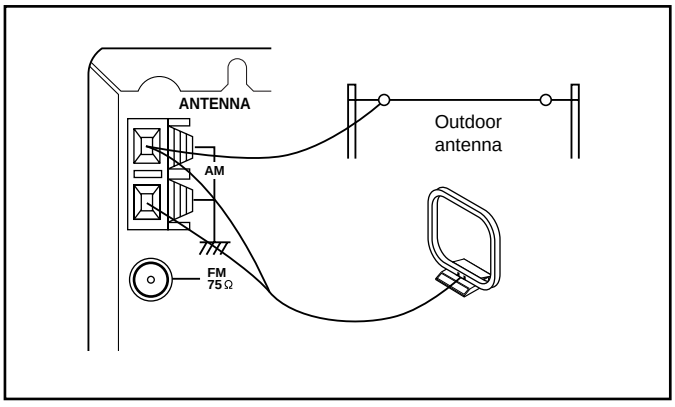
Connecting an FM outdoor antenna

Please make sure that you follow the considerations below regarding the location.

Keep the antenna away from noise sources (neon signs, busy roads, etc.).

It is dangerous to put the antenna close to power lines. Keep it well away from power lines, transformers, etc.

- To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 19 of the “Important Safeguards” on page 2 when you install the outdoor antenna.



Connecting an AM outdoor antenna

The outdoor antenna will be more effective if it is stretched horizontally above a window or outside.

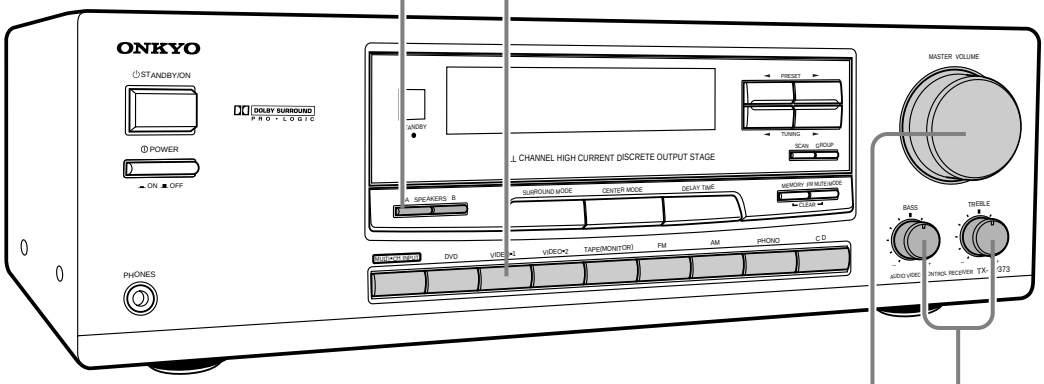
- Do not remove the AM loop antenna.
- To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 19 of the “Important Safeguards” on page 2 when you install the outdoor antenna.

Listening to your favorite source

1. Press the SPEAKERS A button.
The SPEAKERS A indicator lights up.

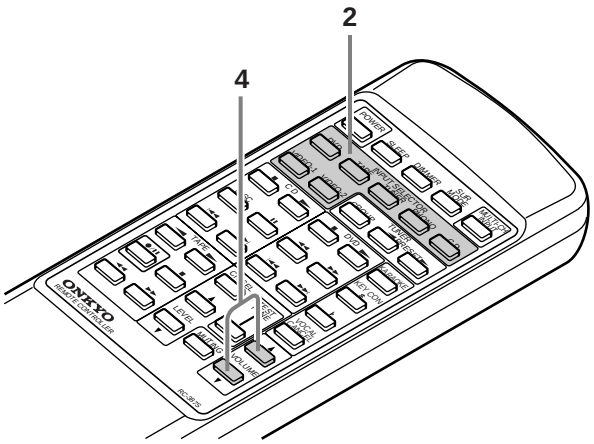
2. Press the desired input selector button or MULTI-CH INPUT (e.g. VIDEO-1).
The selected source (e.g. VIDEO-1) appears on the display.
Note:
Make sure that the TAPE MONITOR indicator is off when a source other than the TAPE (MONITOR) has been selected. Also check to make sure the audio muting is off.

3. Start playing the selected input source.
Follow the operating instructions of the source device.



4. Adjust the volume to an appropriate level using the MASTER VOLUME control knob on the receiver or the VOLUME ▲(up) /▼(down) buttons on the remote controller.

5. Adjust the bass and treble.
BASS: Boosts or cuts the bass response.
TREBLE: Boosts or cuts the treble response.



Balancing the volume level among the speakers when MULTI-CH INPUT is selected:
If you selected MULTI-CH INPUT in Step 2, you need to adjust the level balance of the connected speakers.
1. Use the CH SEL button on the remote controller in the listening position to select the channel (speaker) for adjustment.
2. Press the LEVEL ▲(up) /▼(down) buttons to adjust the volume level.

Speaker selector

SPEAKERS A:
This button turns on or off the speakers connected to the FRONT SPEAKERS A, CENTER SPEAKER, SURROUND SPEAKERS and SUBWOOFER terminals. When the speakers are turned on, the SPEAKERS A indicator lights up.

SPEAKERS B:
This button turns on or off the speakers connected to the FRONT SPEAKERS B terminals. When the speakers are turned on, the SPEAKERS B indicator lights up.

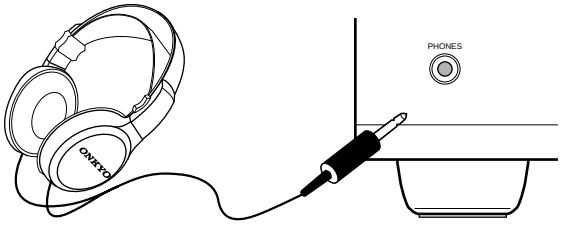
Note:
- You cannot use A and B speakers simultaneously.
- When you select Dolby Pro Logic, Hall or Multi-CH Input, be sure to turn on SPEAKERS A.
- The subwoofer outputs sound only when SPEAKERS A is set to ON.

Adjusting the tone

Treble and Bass are effective only for the Front left and right speakers or headphones.
The best results are obtained from DOLBY PRO LOGIC Surround when the center and left and right front speakers contain the same amounts of mid and high frequencies. As the Treble and Bass control do not affect the Center speaker, adjust the tone controls for the left and right front speakers to match the sound produced from the center speaker. Because of this, we recommend you use a good quality center speaker.

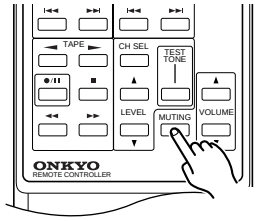
Adjusting the volume level of the subwoofer

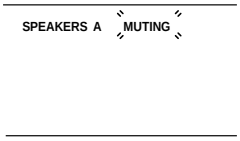
You can adjust the volume level of the connected subwoofer. Press the CH SEL button on the remote controller to display the SUBWOOFER indicator, and press the LEVEL ▲ or ▼ button to adjust the level. (between –∞ dB, –30 dB and +12 dB)



Headphones

You can connect stereo headphones with a standard stereo plug to the PHONES jack. The sound heard through the headphones is the same sound that can be heard from the Front speakers, although it may be slightly different from what is heard from the speakers when Surround mode is used.



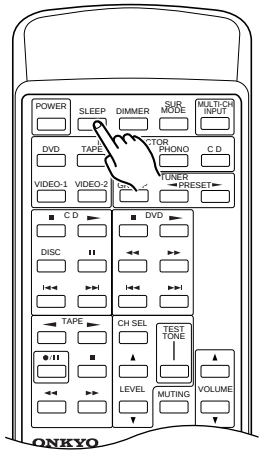


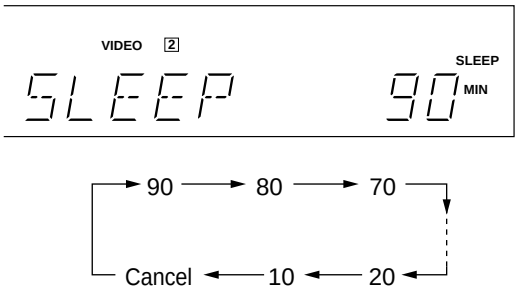
Temporary muting

Press the MUTING button on the remote controller.
This button temporarily mutes the sound from the speakers or headphones.
The MUTING indicator will flash.

To cancel,

- press the MUTING button again, *or*
- turn the power off, then turn it on.





Sleep function

The sleep timer can turn off the power to the system after a specified time period.
To set up this function, use the remote controller supplied with your receiver.

1. **Start playing the source to which you would like to listen (CD, tape, or radio broadcast).**
2. **Press the SLEEP button repeatedly to set the duration of time after which you want the system to turn off.**

The longest timer value you can set is 90 minutes. Pressing the SLEEP button each time reduces the time value in 10-minute increments.
When the set time comes, the power will be switched off automatically.

Disabling the Sleep function

Press the SLEEP button until it returns to the selected input source name.
or
The timer setting will be cancelled if you turn off the power to the unit.

DIMMER button (Remote controller only)

Use this button to change the brightness of the display (normal or dim).

To enjoy Surround mode or Stereo mode

Surround system

Since the TX-SV373/SE350 is equipped with a front amplifier, center amplifier, and a surround amplifier, all Dolby Pro Logic Surround effects can be produced. When using video cassette tapes, DVD video or video discs that have the DOLBY STEREO or DOLBY SURROUND trademark, you can enjoy the acoustic atmosphere of a movie theater in your own home. Placement of the surround speakers is important for optimum sound quality in your room.

For the best results with Dolby Pro Logic Surround, use the test tone to adjust the volume of all speakers to the same level.

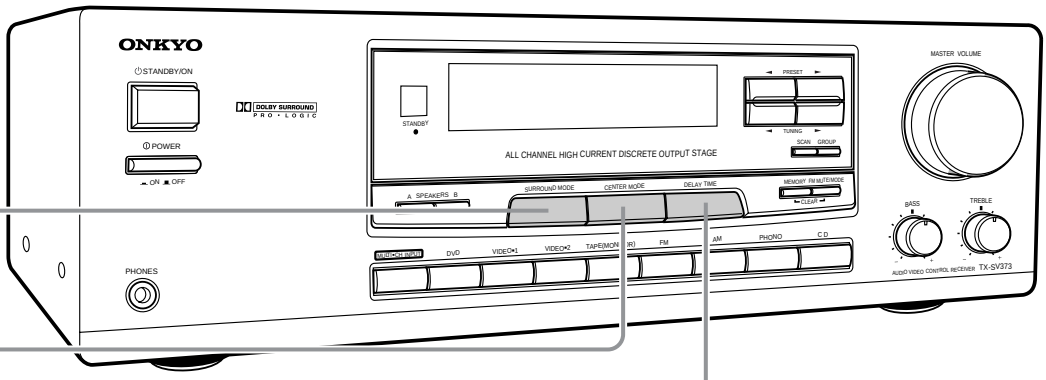
Before operating: Be sure to turn on SPEAKERS A when listening to Dolby Pro Logic Surround.

Surround Mode

Each time you press the SURROUND MODE button, the mode will change as shown below.

→DOLBY PRO LOGIC ⟶ HALL ⟶ STEREO

The selected mode is automatically stored along with the selected source. If the same source is selected subsequently, the stored mode will be automatically recalled.

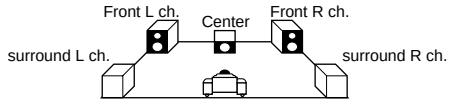


Center Mode

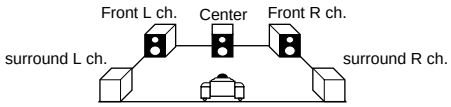
Because the Center speaker plays such an important part in Dolby Pro Logic Surround, three different modes are available for different speaker sizes.

Select a mode by pressing the CENTER MODE button.

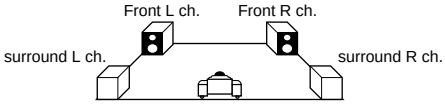
NORMAL: Use this setting for a Center speaker smaller than the Front left and right speakers.



WIDEBAND: Use this setting for a Center speaker similar to the Front left and right speakers in size and power.



PHANTOM: Use this setting when a Center speaker is not present.



Test Tone (Dolby Pro Logic mode only)

Use the test tone to adjust the volume level of each of the speakers before using Dolby Pro Logic Surround.

The test tone (pink noise) is produced by each speaker in turn so you can match the volume levels of the Front, Center, and Surround speakers. The test tone sequence varies depending on the center mode settings.

Note:

You cannot adjust the subwoofer level while the test tone is sounding. Refer to “Adjusting the volume level of the subwoofer” on page 14 for more information.

Delay time

This function is available when you select Dolby Pro Logic or Hall for Surround mode.

When Dolby Pro Logic is selected:

The delay time parameter compensates for the difference between the distance from the listening position to the front (or center) speaker (distance L1) and the distance from the listening position to the Surround speaker (distance L2). Select 15, 20, or 30ms as the delay time, following the guidelines below:

If the value obtained by deducting L2 from L1 is 3 feet (1m) or less, select 15ms. If the value is more than 3 feet (1m) but 10 feet (3m) or less, select 20ms. If the value is more than 10 feet (3m), select 30ms.

When Hall is selected:

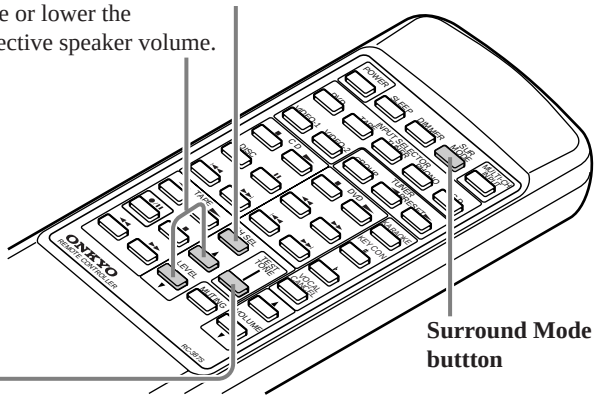
Set the delay time to a larger value if you wish to simulate the atmosphere or effect of a large hall. If you wish to simulate the atmosphere of a smaller hall, set the delay time to a smaller value. Select from 15, 20, 30, 40, and 50ms.

Channel Selector buttton

Selects the speaker for volume adjustment.

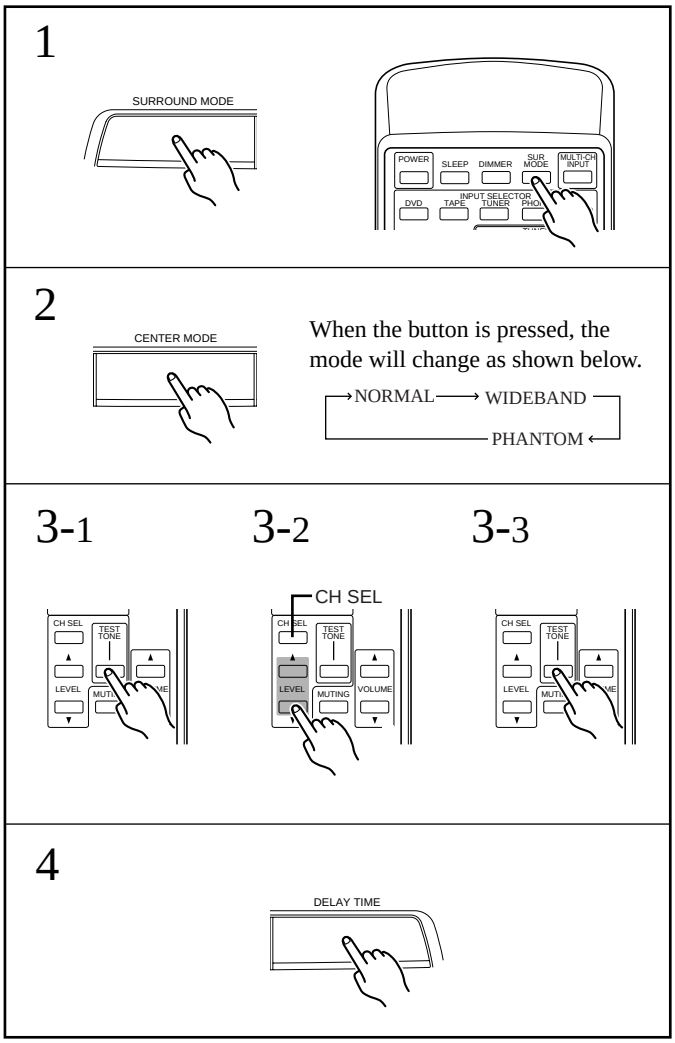
Level ▲/▼ buttons

Raise or lower the respective speaker volume.



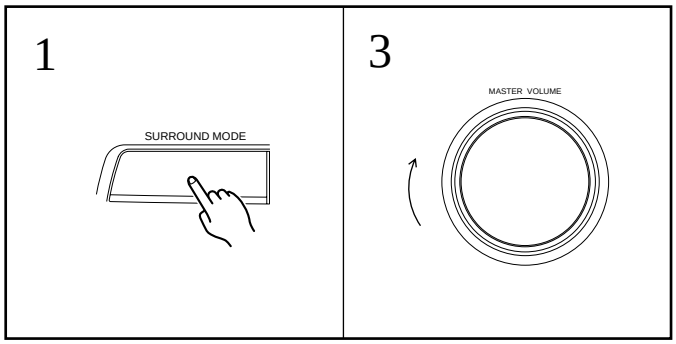
Surround Mode buttton

To enjoy Surround mode or Stereo mode



Adjusting the speaker volumes before enjoying Dolby Pro Logic Surround sound

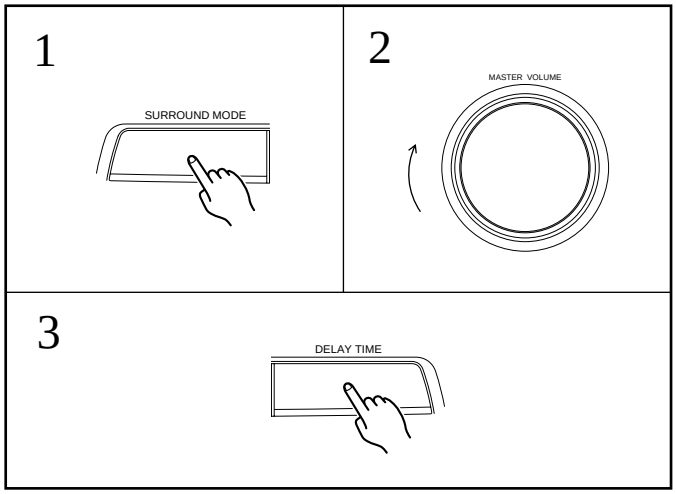
1. **Select a source encoded with Dolby Surround and use the SURROUND MODE button to select DOLBY PRO LOGIC mode.**
2. **Use the CENTER MODE button to select a center mode.**
   When you press the CENTER MODE button, the name of each mode will be shown on the display for three seconds in turn.
3. **Adjust the volume level of the connected speakers as follows so that all the speakers sound at the same level in the listening position.**
   3-1. Press the TEST TONE button on the remote controller.
   The test tone will start sounding from the Front L speaker, then move to other speakers. Each test tone lasts a few seconds.
   The test tone moves from speaker to speaker in the following order:
   If Center mode is NORMAL or WIDEBAND:
   → Left → Center → Right → Right Surround → Left Surround →
   If Center mode is PHANTOM:
   → Front Left → Front Right → Right Surround → Left Surround →
   3-2. Press the LEVEL ▲ or ▼button to change the volume level of the test tone output from the target speaker.
   You will hear the test tone continuously as long as you are adjusting the volume level. After you finish adjusting the level of a given speaker, the test tone will stop sounding for a moment, then move to the next speaker. You can also use the CH SEL buttons to send the test tone to the desired speaker manually.
   3-3. Press the TEST TONE button again to stop the test tone.
4. **Use the DELAY TIME button to set the delay time.**
   When you press the DELAY TIME button, DELAY and the delay time will be shown for 3 seconds on the display.



Enjoying Dolby Pro Logic Surround sound

1. **Use the SURROUND MODE button to select Dolby Pro Logic mode.**
2. **Play a Dolby Surround-encoded source.**
3. **Use the MASTER VOLUME control knob to adjust the level.**

- Adjust the bass and treble ranges, if necessary. The Bass and Treble controls are effective for the Front L and R speakers. Refer to “Adjusting the volume level of the subwoofer” on page 14 for more information on how to adjust the subwoofer level.



Enjoying Hall Surround or Stereo sound

1. **Use the SURROUND MODE button to select the desired mode.**
   HALL: This mode simulates the atmosphere of a concert hall.
   STEREO: This mode is used when you do not wish to use the Surround mode. All input sound is output from the front speakers directly.
2. **Use the MASTER VOLUME control knob to adjust the level.**

- Adjust the bass and treble ranges, if necessary. The Bass and Treble controls are effective for the Front L and R speakers. Refer to “Adjusting the volume level of the subwoofer” on page 14 for more information on how to adjust the subwoofer level.

3. **If you have selected Hall mode, use the DELAY TIME button to select the delay time from 15, 20, 30, 40, or 50ms.**
   When you press the DELAY TIME button, “DELAY” and the delay time value appear on the display for three seconds.

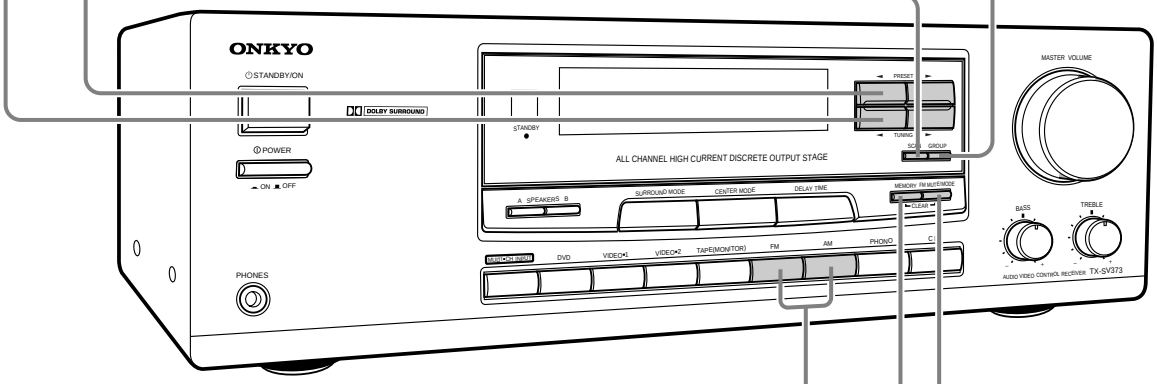
Tuning in a radio station

TUNING Up/Down buttons
Use these buttons to tune the frequencies up and down.

SCAN button
Use this button to scan the preset stations.

PRESET station buttons
Use these buttons to store and recall the preset stations.

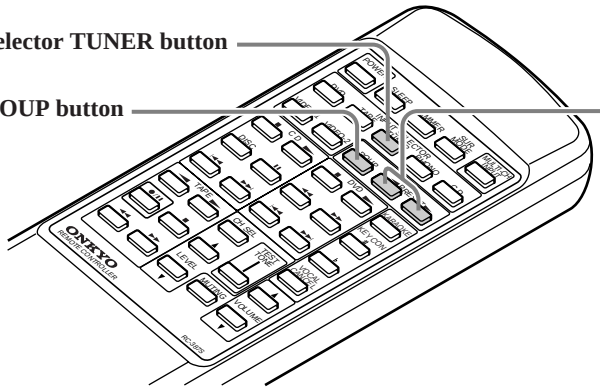
GROUP button
Use this button to select a group of preset stations.



Input Selector (FM/AM)buttons
Use these buttons to select the FM/AM band.

FM MUTE/MODE button
Use this button to set the signal to monaural so that weak FM stereo reception with noise will become more audible.

MEMORY button
Press this button to store the station.



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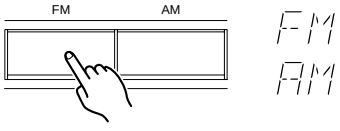

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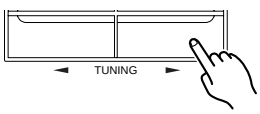
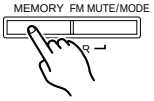


Manual tuning

1. **Press either the FM or AM button on the main unit.**
2. **Change the frequency using the ◄ or ► TUNING button.**
   Press the ◄ TUNING button to decrease the frequency and press the ► TUNING button to increase the frequency.
   The ►TUNED◄ indicator on the display lights up when the station is properly tuned in.

In FM, each press of a TUNING button changes the frequency in 50 kHz steps; in AM, the frequency changes in steps of 9 or 10 kHz, depending on the area in which the unit is used.

While tuning an FM station, if a button is continuously held down for more than 0.5 seconds, the frequencies are scanned and tuning automatically stops when a broadcast is received.

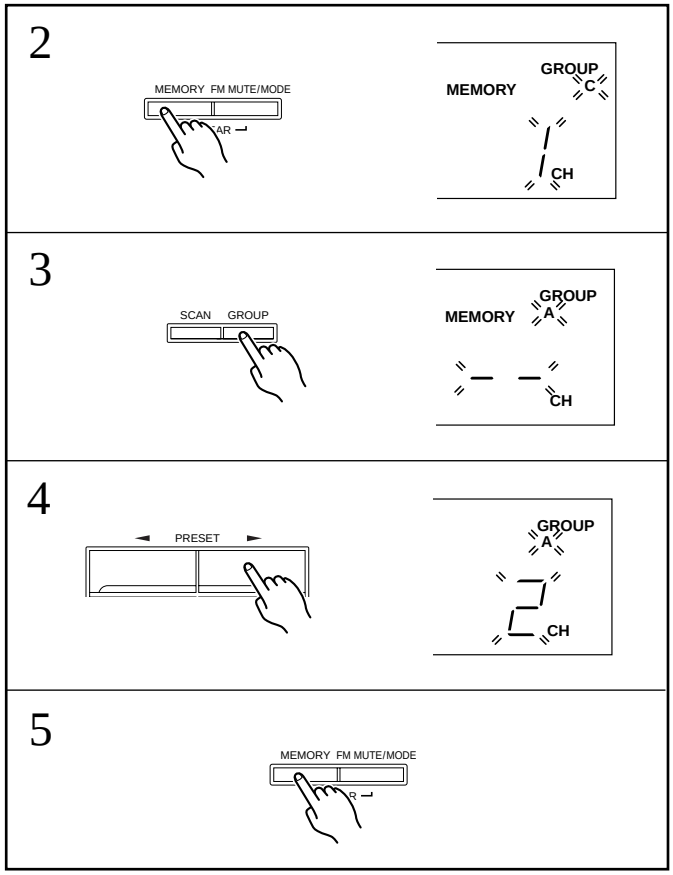


Tuning in an FM stereo radio station

When you tune in a stereo FM station, the FM STEREO indicator lights up if the signal is sufficiently strong. If the signal is weak, it may be impossible to tune in the station.

1. **Press the FM MUTE/MODE button on the main unit.**
   The FM MUTE indicator turns off. This changes the broadcast to mono, so interstation noise can be heard.
2. **Select the station to which you want to listen.**

Using preset radio stations



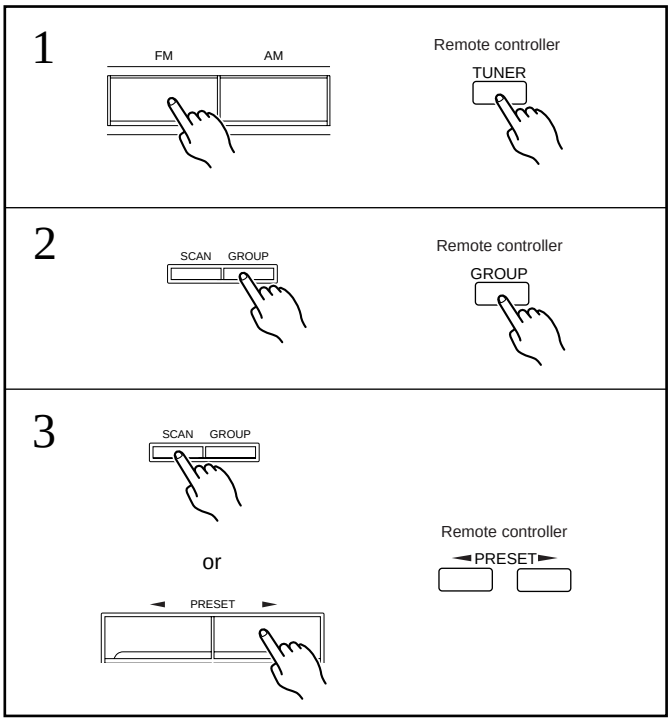
Setting a preset station

Since 10 AM or FM stations can be stored in each group (A,B or C), a total of 30 stations can be stored in memory.

1. **Select the radio station frequency that you want to store in memory.**
   (Refer to *Tuning in a radio station* on page 18.)
2. **Press the MEMORY button on the main unit.**
   The MEMORY indicator on the display lights up for eight seconds.
3. **While the MEMORY indicator is lit, continue pressing the GROUP button until the desired group is selected.**
   With each press of the button, the group name shown on the display changes in the following sequence: A → B → C →A...
4. **Enter the desired preset number using the PRESET ◄ and ► buttons.**
5. **Press the MEMORY button.**
   The MEMORY indicator turns off and the setting is complete.

NOTE (European models only):

If the selected FM station broadcasts RDS signals with a PS (Program service name), the name of the station is displayed instead of the frequency. If there is no PS, the frequency is displayed.

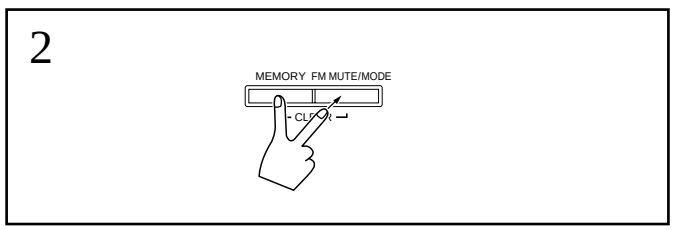


Selecting a preset station

1. **Select the tuner as the source by pressing the AM or FM input selector button on the main unit.**
2. **Press the GROUP button until the desired group is displayed.**
3. **Enter the desired preset number using the PRESET ◄ and ► buttons or press the SCAN button to scan through the preset stations.**
   If the SCAN button is pressed, each station stored in the selected group will be played for five seconds. When the desired station is found, press the SCAN button again to stop scanning.

Remote controller operation

1. **Select the tuner as the source by pressing the TUNER input selector button on the remote controller.**
2. **Press the GROUP button until the desired group is displayed.**
3. **Press the PRESET (◄ or ►) button.**



Cancelling preset stations

1. **Select the station that you want to cancel.**
   (Refer to *Selecting a preset station* above.)
2. **Hold down the MEMORY button on the main unit and press the FM MUTE/MODE button.**
   The preset number indication on the display changes to "--."

Karaoke function (TX-SE350 only)

KARAOKE button
Use this button for the Karaoke function.

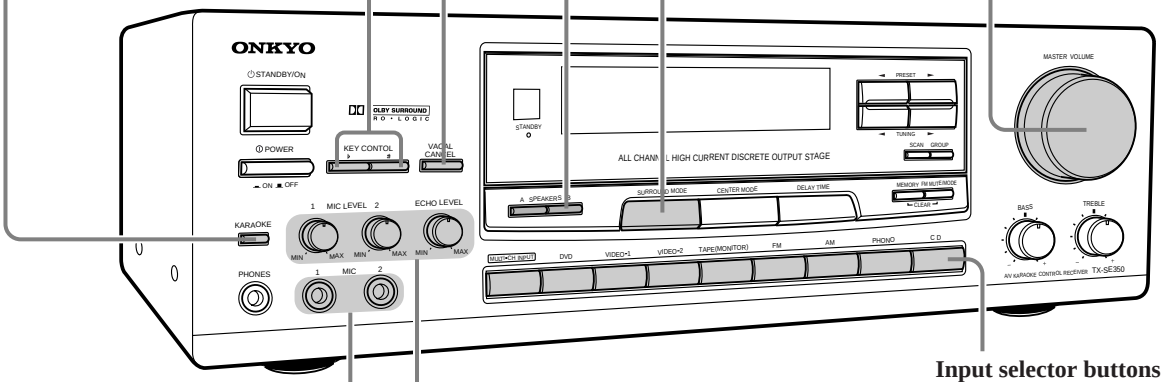
VOCAL CANCEL button
OFF: The Vocal Cancel function is turned off and the entire sound is played.
V. CANCEL: Vocal parts are muted.
MPX L ch (Multiplex Left Channel): Used for multi-channel Karaoke software. Lch signals are output from the L/R channel.
MPX R ch (Multiplex Right Channel): Used for multi-channel Karaoke software. Rch signals are output from the L/R channel.

KEY CONTROL buttons
Use these buttons to adjust the pitch.

SPEAKERS A and SPEAKERS B buttons

SURROUND MODE button

MASTER VOLUME control



Input selector buttons

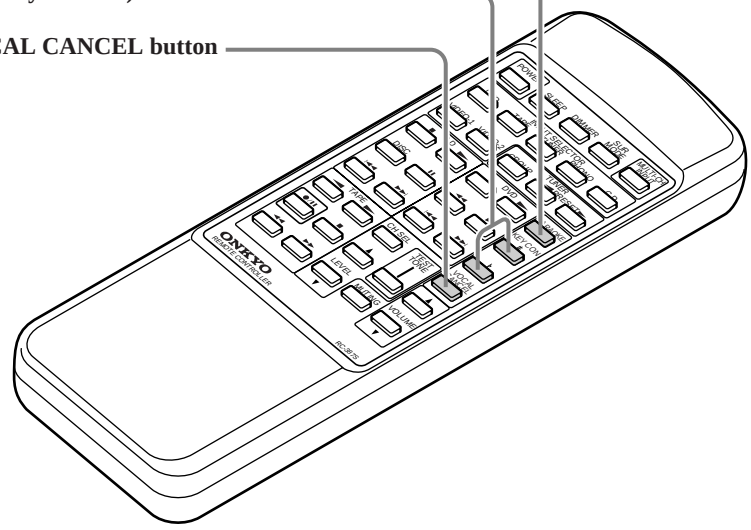
MIC 1 and MIC 2 jacks
Connect one or two dynamic-type microphones to these jacks.

ECHO LEVEL and MIC LEVEL controls
The ECHO LEVEL control determines the amount of echo applied to your voice.

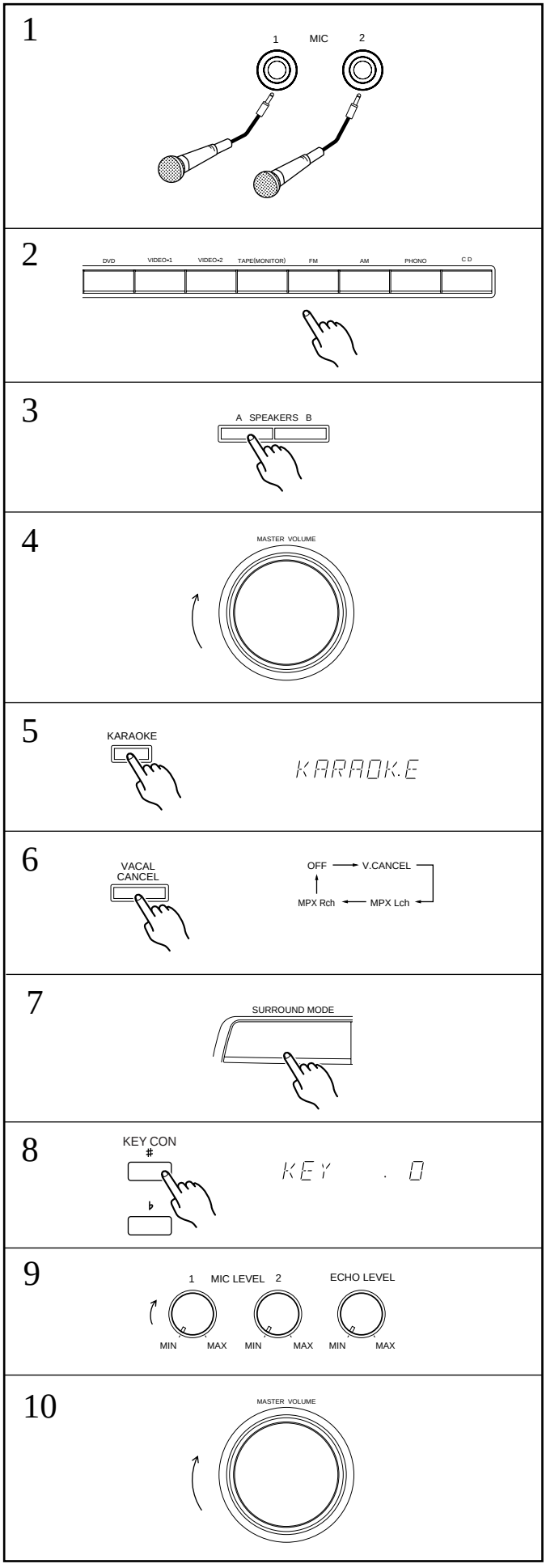
KARAOKE button

KEY CON (Key Control) buttons

VOCAL CANCEL button



Karaoke function (TX-SE350 only)



Karaoke operation

All you need to enjoy karaoke with the TX-SE350 is a dynamic microphone. The karaoke function can also cancel the vocals on your favorite songs. The amount of cancellation depends on the source material. Vocal cancellation is not possible with mono sources, and also cannot be used when the MULTI-CH INPUT button is pressed.

Before using the Karaoke function:

Turn down the MASTER VOLUME, MIC LEVEL, and ECHO LEVEL controls.

1. **Connect one or two dynamic microphones to the MIC 1 and (or) MIC 2 jacks.**
   If you are connecting two microphones, use those with the same specifications.
2. **Use the input selector buttons to select the source that you want to use for karaoke.**
3. **Use the SPEAKERS A and SPEAKERS B buttons to select a speaker system.**
4. **Set the MASTER VOLUME control to a suitable level.**
5. **Press the KARAOKE button.**
   The KARAOKE indicator lights up and “KARAOKE” appears on the display, indicating that the karaoke function is available.
6. **Press the VOCAL CANCEL button to select the desired mode.**
   Each press of the button changes the display in the following order:

   → V CANCEL ⟶ MPX L ch ⟶ MPX R ch ⟶ OFF →

7. **To add HALL surround effects, press the SURROUND MODE button. (SPEAKER A only)**
   Dolby Pro Logic cannot be used with the karaoke function.
8. **To adjust the pitch of the music in semitone steps (–6 ~ +6), press the KEY CONTROL button on the main unit or on the remote controller.**
   The ♭ or # indicator lights up when the pitch has been changed.
   If you have not used the KEY CONTROL buttons, ♮ lights up.
9. **Adjust the ECHO LEVEL and MIC LEVEL controls to the desired levels.**
   The ECHO LEVEL control determines the amount of echo applied to your voice.
10. **Use the MASTER VOLUME control to adjust the overall volume level.**

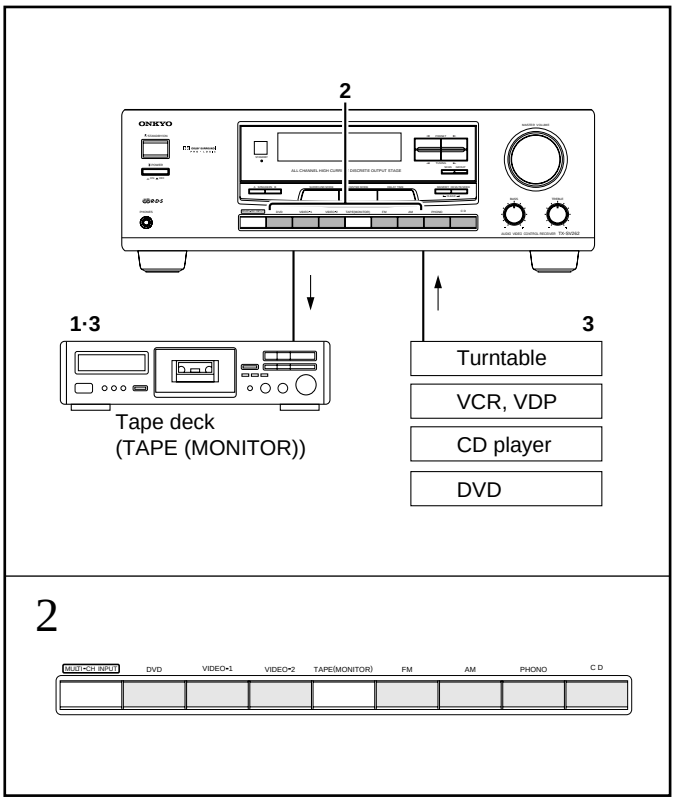
When you finish using the Karaoke function, or to cancel the function, press and hold down the KARAOKE button.

The KARAOKE indicator goes off. The karaoke function is canceled.

Notes:

- When using the karaoke function, keep microphones away from the speakers to prevent howling feedback.
- Disconnect the microphones or turn down the MIC LEVEL when you finish using the Karaoke function.
- Keep the karaoke volume down at night. Be considerate of your neighbors.

Recording a source



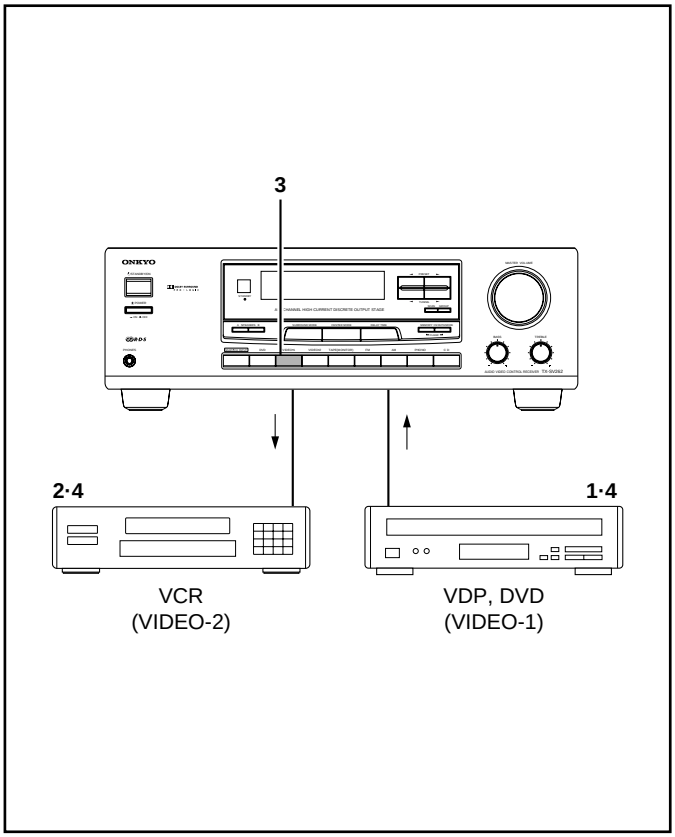
Recording an audio source

Please read the instruction manual for each device for more information on how to operate the corresponding equipment.

1. **Insert a blank tape into the tape deck.**
2. **Press the input selector button for the source you want to record.**
- If you select VIDEO-1 or VIDEO-2, only the audio will be recorded.
- If you select FM or AM, set the tuner to the station you want to record.

3. **Set the tape deck in recording mode. Start playing the source.**

Set the proper recording level using the controls on the tape deck. Adjusting any controls (bass, treble etc.) on the receiver during recording will not affect the recorded tone.
If you are using the monitor function, refer to page 23.



Recording from video disc player (or video camcorder) to VCR

1. **Insert an LD or tape that you want to record into the VDP or VCR connected to VIDEO-1.**
2. **Insert a blank video tape in the VCR connected to VIDEO-2.**
3. **Press the VIDEO-1 button.**
4. **Start playing the source video connected to VIDEO-1 and start recording on the VCR.**

Adding new sound to a video tape during video editing

During video tape editing, you can add sound to the recording VCR from various audio program sources.
Perform steps 1. through 3. above, then complete the steps below.

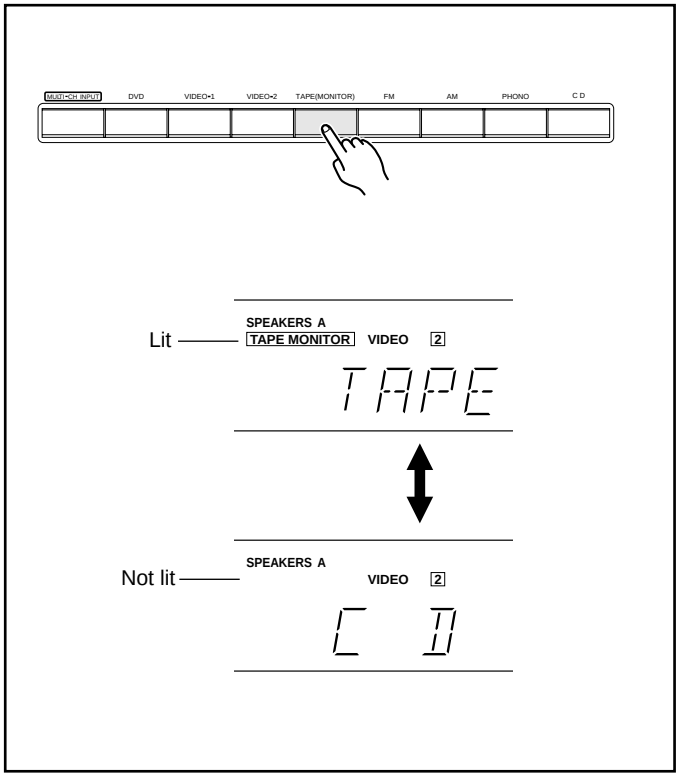
4. **Select the audio program source (DVD, FM, AM, PHONO, CD).**
5. **Start playing the source video connected to the VIDEO-1 and also start playing the sound source. Then start recording on the VCR connected to VIDEO-2.**

Refer to the video disc player, video camcorder, DVD player or VCR instruction manuals for additional information.

Note:

You cannot record the TAPE source sound to the device connected to VIDEO-2.

Using TAPE (MONITOR) Button

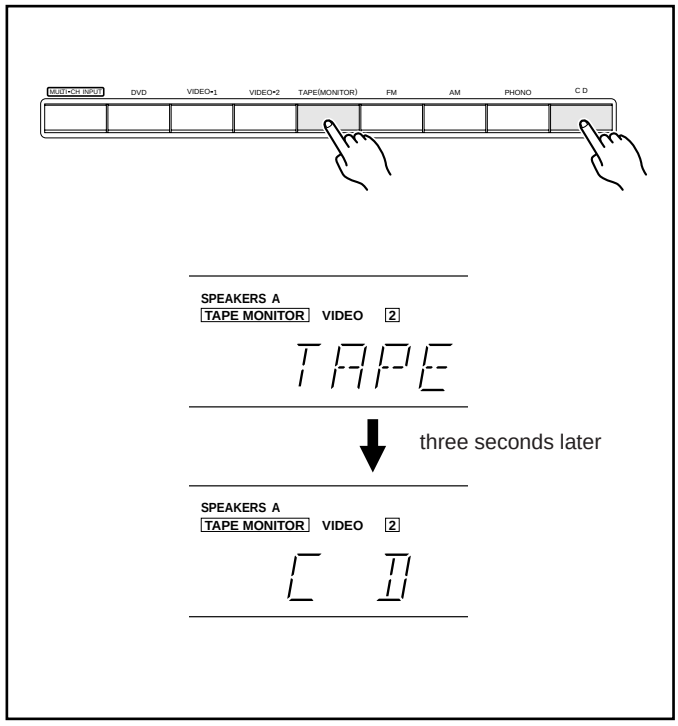


To monitor during recording

If a 3-head tape deck is connected to this unit, the recording can be monitored.
If the TAPE MONITOR indicator is not lit, the sound from the source (the sound that has not yet been recorded) is heard.
If the TAPE MONITOR indicator is lit, the sound that has been recorded can be heard.

To turn the TAPE MONITOR indicator on or off, press the TAPE (MONITOR) button.

- If MULTI-CH INPUT is selected, the monitor function is disabled.
- Refer to the tape deck instruction manual for more details.



Using a graphic equalizer

You can connect a graphic equalizer to the TAPE jacks on the rear panel.
If a tape deck is used, connect it to the tape jacks on the graphic equalizer.

Press the input selector button for the desired source, then press the TAPE (MONITOR) button.

The TAPE MONITOR indicator lights up.
Follow the graphic equalizer operating instructions.
To record an equalized signal, use the tape deck connected to the equalizer.
To turn the TAPE MONITOR off, press the TAPE (MONITOR) button again. The TAPE MONITOR indicator turns off.

CAUTION:

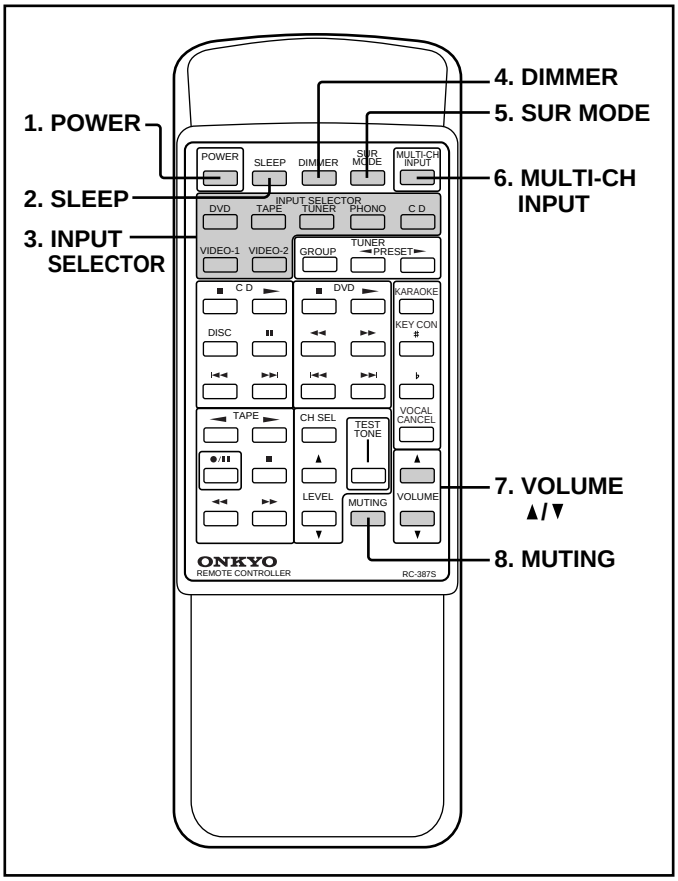
- Do not use a Surround mode together with the equalizer. Otherwise, distortion may occur, which may damage the Surround decoder circuitry.

Using the Remote Controller

* The TX-SV373 has been shipped with a remote controller, RC-385S, and the TX-SE350 has been shipped with a remote controller, RC-387S.

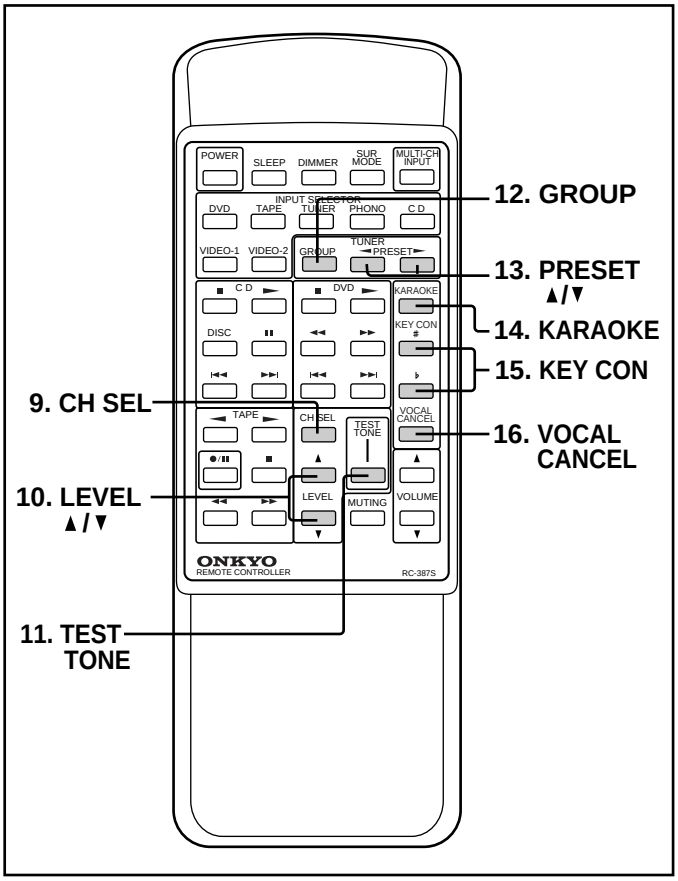
Buttons used to control the receiver:

The remote controller has buttons for general operation and frequently-used functions. For more information, refer to the pages listed in the brackets [ ].



General operation

1. **Power button [11]**
   Switches the power on/standby.
2. **Sleep button [15]**
   Power off the system after a specified time period.
3. **Input Selector buttons (DVD, TAPE, TUNER, PHONO, CD, VIDEO-1, VIDEO-2) [14]**
   Switch the input.
4. **Dimmer button [15]**
   Change the brightness of the display.
5. **Surround Mode button [16, 17]**
   Switch the surround mode.
6. **Multi channel input button [14]**
   Switches the input selector to MULTI-CH INPUT.
7. **Volume up/down buttons [14, 17]**
   Adjust the volume.
8. **Muting button [15]**
   Mutes the sound temporarily.



Adjusting each speaker's level

9. **Channel Selector Button [17]**
   Selects the speaker for volume adjustment.
10. **Level ▲/▼ buttons [17]**
    Raise/lower the respective speaker volume.
11. **Test tone button [16, 17]**
    Outputs a test tone for speaker volume adjustment.

Listening to the preset stations (TUNER)

12. **Group button [18, 19]**
    Switches the tuner preset memory group (A/B/C).
13. **Preset station ▲/▼ buttons [18, 19]**
    Select preset FM/AM stations.

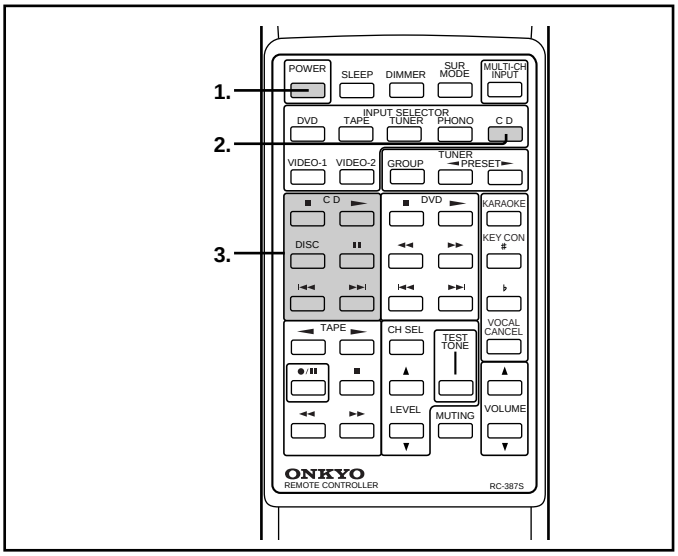
Using the Karaoke function (TX-SE350 only)

14. **Karaoke button [20, 21]**
    Press this button to turn the Karaoke function ON and OFF.
15. **Key control button [20, 21]**
    Adjusts the music in semitone steps (–6 – +6)
    ♯ :Pitch is raised in semitone steps.
    ♭ :Pitch is lowered in semitone steps.
16. **Vocal cancel [20, 21]**
    Selects VOCAL CANCEL mode.

Using the Remote Controller

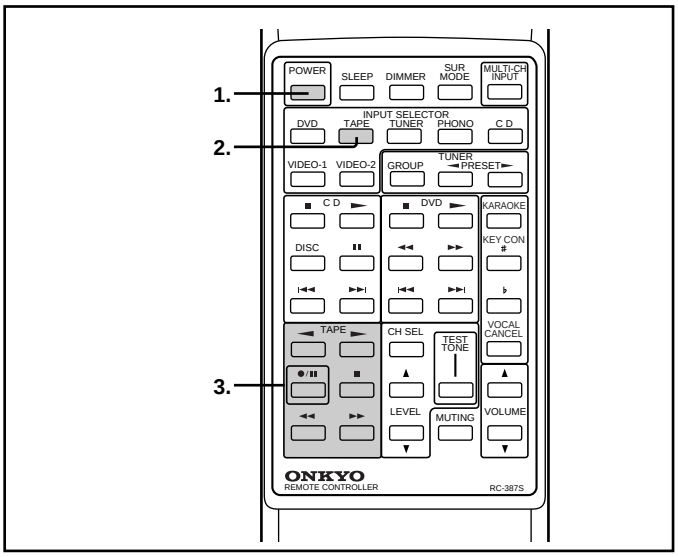
Buttons used to control other devices:

You can use the remote controller to control other Onkyo devices that have RI connectors and are connected to the receiver via RI cables. Point the emitter of the remote controller toward the reception window, and operate the buttons as described below. Refer to page 9 for more information on connection. Also, refer to the instruction manuals of the connected devices for more detail.



Playing a CD player

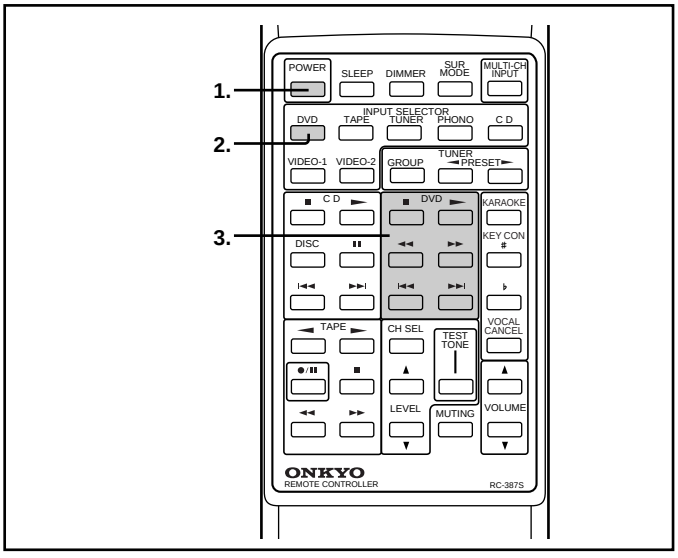
1. **Press the Power button.**
2. **Press the INPUT SELECTOR's CD button.**
3. **Press the transport buttons on the CD player.**
   - ■ : Stop button
   - ► : Play button
   - DISC : Disc button for CD changer
   - ❚❚ : Pause button
   - ⏮ : Down button
   - ⏭ : Up button



Using a cassette tape deck

1. **Press the Power button.**
2. **Press the INPUT SELECTOR's TAPE button.**
3. **Press the transport buttons on the cassette tape deck.**
   - ◄ : Reverse play button
   - ► : Forward play button
   - ■ : Stop button
   - ●/❚❚ : Rec/pause button
   - ◄◄ : Fast rewind button
   - ►► : Fast forward button

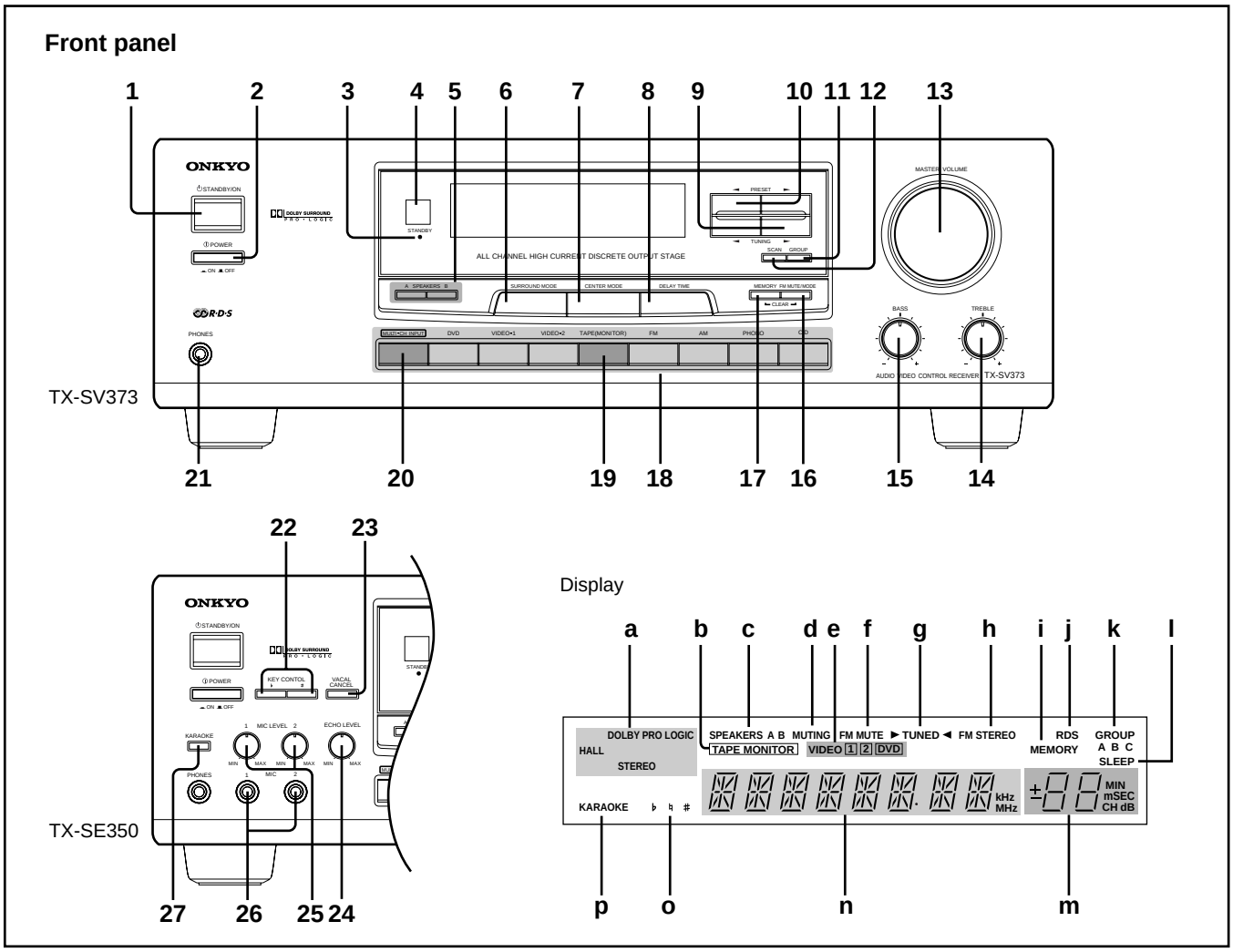
*When you use a double cassette deck, only DECK-B is available.



Using a DVD player

1. **Press the Power button.**
2. **Press the INPUT SELECTOR's DVD button.**
3. **Press the transport buttons on the DVD player.**
   - ■ : Stop button
   - ► : Play button
   - ◄◄ : Fast reverse button
   - ►► : Fast forward button
   - ⏮ : Down button
   - ⏭ : Up button

Control positions and names



For more information about buttons or knobs, turn to the page numbers listed in the brackets [ ].

Front panel

1. **Standby/On button [11]**
2. **Power switch (System switch) [11]**
3. **Standby indicator [5, 11]**
4. **Remote control sensor [5]**
5. **Speaker selector buttons [14, 21]**
6. **Surround Mode button [16, 17]**
7. **Center Mode button [16, 17]**
8. **Delay Time button [16, 17]**
9. **Tuning ◄/► buttons [18, 19]**
10. **Preset station ◄/► buttons [18, 19]**
11. **Group button [18, 19]**
12. **Scan button [18, 19]**
13. **Master Volume control knob [14]**
14. **Treble control knob [14]**
15. **Bass control knob [14]**
16. **FM Mute/Mode button [18, 19]**
17. **Memory button [18, 19]**
18. **Input selector buttons [14]**
19. **Tape monitor button [14, 23]**
20. **Multi channel input button [14]**
21. **Headphone jack [15]**
22. **Key control buttons [20, 21] (TX-SE350 only)**
23. **Vocal cancel button [20, 21] (TX-SE350 only)**
24. **Echo level control knob [20, 21] (TX-SE350 only)**
25. **MIC level 1/2 knobs [20, 21] (TX-SE350 only)**
26. **MIC input 1/2 jacks [20, 21] (TX-SE350 only)**
27. **Karaoke button [20, 21] (TX-SE350 only)**

Display

If a protective film on the surface of the screen makes it difficult to read the display, remove the film.

- **a. Surround Mode indicators**
- **b. Tape Monitor indicator**
- **c. Speaker selector indicators**
- **d. Muting indicator**
- **e. Video input selector indicators**
- **f. FM Mute indicators**
- **g. Tuned indicator**
- **h. FM Stereo indicator**
- **i. Memory indicator**
- **j. RDS indicator (European models only)**
- **k. Group indicators**
- **l. Sleep indicator**
- **m. Multi function display (Preset station/Sleep time/Master volume level/Each speaker's volume level/Delay time)**
- **n. Multi function display (Frequency/Input selector, etc.)**
- **o. Key transpose indicators (TX-SE350 only)**
- **p. Karaoke indicator (TX-SE350 only)**

Troubleshooting guide

If a problem occurs while you are using the remote controller, first try to operate the front panel controls on the main unit to make sure that it is not due to a malfunction (or worn out batteries) in the remote controller.
This stereo system contains a sensitive microcomputer, which under certain circumstances might fail to operate due to excessive noise interference. In such an event, disconnect the AC power from your electrical outlet and replace it 5 seconds later.

Trouble	Cause	Remedy
No power.	● Power cord is disconnected. ● There is external noise in the computer circuits of this unit. ● AC fuse blown.	● Connect power cord. ● Turn the power switch off and then on again. ● Contact your Onkyo Service Center.
Power on but no sound.	● TAPE MONITOR light is on. ● MUTING button is on. ● Bad connections. ● Amplifier protection circuitry has been activated. (STANDBY indicator flashes.)	● Press the TAPE button. ● Switch to off by the remote controller. ● Check connections, speaker leads, etc. ● Contact your Onkyo Service Center.
No sound from the center speaker, or very minimal sound.	● Speaker cord is not corrected. ● SURROUND MODE button is NOT set to DOLBY PRO LOGIC. ● CENTER level is set to minimum. ● CENTER MODE is set to PHANTOM.	● Check the connection between the amplifier and the speaker. ● Set the SURROUND MODE button to DOLBY PRO LOGIC. ● Set the CENTER level to the appropriate volume. ● Set CENTER MODE to NORMAL or WIDEBAND.
Hum, low-frequency noise.	● Poor or no input ground. ● Poor or no phono motor ground. ● The placement of the audio connection cables on the rear panel is incorrect.	● Check outer conductor of input plugs. ● Check for proper ground connection. ● Adjust the placement of the cable to reduce hum.
Howling when the volume is turned up.	● Turntable and speakers are too close together.	● Move them farther apart.
Rough or scratchy sound. High range is not clear.	● Stylus of turntable pick-up is worn. ● Turntable stylus tip is dirty. ● Treble control too high.	● Replace. ● Clean. ● Turn treble control down.
AM stations cannot be received.	● AM loop antenna is not attached.	● Connect the included AM loop antenna to the AM antenna terminals.
Buzzing noise on AM (particularly conspicuous at night or with weak stations).	● Noise from electrical apparatus such as fluorescent lamp.	● Move the AM loop antenna to different position. ● Set up an outdoor AM antenna.
High-pitched noise or buzzing noise on AM.	● Noise from TV set.	● Place the AM loop antenna as far as possible from the TV. ● Move unit away from TV set.
Crackling noise on AM, FM.	● Noise caused by turning fluorescent lamp on and off. ● Noise from automobile ignition.	● Move antenna as far as possible from the fluorescent lamp. ● Install an FM outdoor antenna as far as possible from the road. ● Change the position or direction of the outdoor antenna.
TUNED and FM STEREO indicators light but sound is distorted and stereo separation is bad.	● Station is too strong. ● Multiple reflection of the radio waves because of tall buildings or mountains.	● Change to T-shaped antenna. ● Use antenna which has better directivity and select a point where the distortion is least.
TUNED and FM STEREO indicators flicker and hiss is heard on FM.	● Station is too weak. ● Stereo FM broadcasts cover only about half the distance of an ordinary broadcast.	● Install an outdoor FM antenna. ● Change the position or direction of the outdoor antenna.
No station is recalled when a SCAN button is pressed.	● The power cord has been unplugged or the POWER SWITCH has been turned off for a long time.	● The memory contents are lost. Store all stations again.
Front panel controls function but remote controller does not.	● No batteries in remote controller. ● Batteries have worn out.	● Insert batteries. ● Replace batteries.
The sound of the playback source is not heard.	● The input selector is not set properly.	● Set it to the playback source.
Your voice is not heard when you speak or sing into the microphone.	● Microphone plug is not firmly inserted into the MIC jack. ● Microphone is turned off. ● The karaoke function is turned off.	● Insert the plug firmly. ● Turn on the microphone. ● Press the KARAOKE button to turn on the KARAOKE indicator.
Karaoke is not turned on.	● DOLBY PRO LOGIC is selected. ● MULTI-CH INPUT is selected.	● Select another Surround mode. ● Select another INPUT.
You cannot select Surround mode.	● SPEAKERS B is set to ON.	● Set SPEAKERS A to ON.
You cannot select DOLBY PRO LOGIC.	● KARAOKE is turned on.	● Turn KARAOKE off.
You cannot select MULTI-CH INPUT.	● SPEAKERS B is set to ON.	● Set SPEAKERS A to ON.

● Also refer to the respective instruction manuals of the video disc player, video cassette recorder, TV monitor, etc., being used.

Specifications

AMPLIFIER SECTION

Continuous Average Power output (FTC)

Front L/R channels:	**50 watts per channel min. RMS at 8 ohms, both channels driven from 20 Hz to 20 kHz with no more than 0.08% total harmonic distortion.**
Center channel:	**50 watts min. RMS at 8 ohms, driven from 20 Hz to 20 kHz with no more than 0.08% total harmonic distortion.**
Surround L/R channels:	**20 watts per channel min. RMS at 8 ohms, both channels driven from 20 Hz to 20 kHz with no more than 0.3% total harmonic distortion.**

Continuous Power output (DIN)	
Front L/R channels:	70 watts × 2 at 6 ohms
Center channel:	70 watts at 6 ohms
Surround L/R channels:	30 watts × 2 at 6 ohms
Maximum Power output (EIAJ)	
Front L/R channels:	90 watts × 2 at 6 ohms
Center channel:	90 watts at 6 ohms
Surround L/R channels:	40 watts × 2 at 6 ohms
Total Harmonic Distortion:	0.08% at rated power (Front)
IM Distortion:	0.08% at rated power (Front)
Damping Factor:	60 at 8 ohms (Front)
Sensitivity and Impedance	
Phono:	2.5 mV/50 kohms
CD, DVD, VIDEO-1, VIDEO-2, Multi-CH, Tape Play:	200 mV/50 kohms
Tape Rec:	200 mV/2.2 kohms
Subwoofer Pre out:	1 V/2.2 kohms
Phono Overload:	70 mV RMS at 1 kHz, 0.5% T.H.D.
Frequency Response:	20 Hz to 30 kHz, ±1 dB
RIAA Deviation:	20 Hz to 20 kHz, ±0.8 dB
Tone Control	
Bass:	±10 dB at 100 Hz
Treble:	±10 dB at 10 kHz
Signal-to-Noise Ratio	
Phono:	80 dB (IHF A, 5 mV input)
CD, DVD, VIDEO-1, VIDEO-2, Tape:	100 dB (IHF A)

VIDEO SECTION

Signal sensitivity and impedance:	1 Vp-p, 75 ohms (DVD/VIDEO-1/VIDEO-2 input, output)

TUNER SECTION

FM

Tuning Range:	87.50 — 108.00 MHz
Usable Sensitivity	
Mono:	11.2 dBf, 1.0 µV (75 ohms)
Stereo:	17.2 dBf, 2.0 µV (75 ohms)
50 dB Quieting Sensitivity	
Mono:	17.2 dBf, 2.0 µV (75 ohms)
Stereo:	37.2 dBf, 20.0 µV (75 ohms)
Capture Ratio:	1.5 dB
Image Rejection Ratio	
U.S.A. & Canadian models:	40 dB
Other area models:	85 dB
IF Rejection Ratio:	90 dB
Signal-to-Noise Ratio	
Mono:	76 dB
Stereo:	70 dB
Alternate Channel Attenuation:	55 dB
Selectivity:	50 dB (DIN)
AM Suppression Ratio:	50 dB
Total Harmonic Distortion	
Mono:	0.15%
Stereo:	0.25%
Frequency Response:	30 Hz — 15 kHz, ±1.5 dB
Stereo Separation:	45 dB at 1 kHz 30 dB at 100 Hz — 10 kHz

AM

Tuning Range	
U.S.A. & Canadian models:	530—1,710 kHz (10 kHz steps)
European models:	522—1,611 kHz (9 kHz steps)
Worldwide models:	531—1,602 kHz (9 kHz steps), 530—1,710 kHz (10 kHz steps)
Usable Sensitivity:	30 µV
Image Rejection Ratio:	40 dB
IF Rejection Ratio:	40 dB
Signal-to-Noise Ratio:	40 dB
Total Harmonic Distortion:	0.7%

GENERAL

Power Supply		
U.S.A. & Canadian models:		AC 120 V, 60 Hz
European models:		AC 230 V, 50 Hz
Worldwide models:		AC 220-230 V and 120 V switchable, 50/60 Hz
Power Consumption		
U.S.A. & Canadian models:		4.2 A
Other area models:		240 W
Dimensions (W × H × D):		435 × 140 × 324 mm 17-1/8" × 5-1/2" × 12-3/4"
Weight:	TX-SV373	9.6 kg, 21.2 lbs.
	TX-SE350	9.8 kg, 21.6 lbs.

REMOTE CONTROL

TX-SV373:	RC-385S
TX-SE350:	RC-387S
Transmitter:	Infrared
Signal range:	Approx. 5 meters, 16 ft.
Power supply:	Two “AA” batteries (1.5 V × 2)

Specifications and features are subject to change without notice.

ONKYO CORPORATION

Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 0720-31-8111 Fax: 0720-33-5222

ONKYO U.S.A. CORPORATION
200 Williams Drive, Ramesy, N.J. 07446, U.S.A.
Tel: 201-825-7950 Fax: 201-825-8150 E-mail: onkyo@onkyousa.com

ONKYO EUROPE ELECTRONICS GmbH
Industriestrasse 20, 82110 Germering, GERMANY
Tel: 089 84 93 20 Fax: 089 84 93 226 E-mail: info@onkyo.de

ONKYO EUROPE FRANCE BRANCH
Domaine Technologique de Saclay 4, Rue René Razel, SACLAY-91892
ORSAY CEDEX, FRANCE Tel: (1) 69 33 14 00 Fax: (1) 69 41 35 84

ONKYO CHINA LIMITED
Units 2102-7, Metroplaza Tower I, 223 Hing Fong Road, Kwai Chung,
N.T., HONG KONG Tel: 852 2429 3118 Fax: 852 2428 9039

ONKYO HOMEPAGE
http://www.onkyo.co.jp/